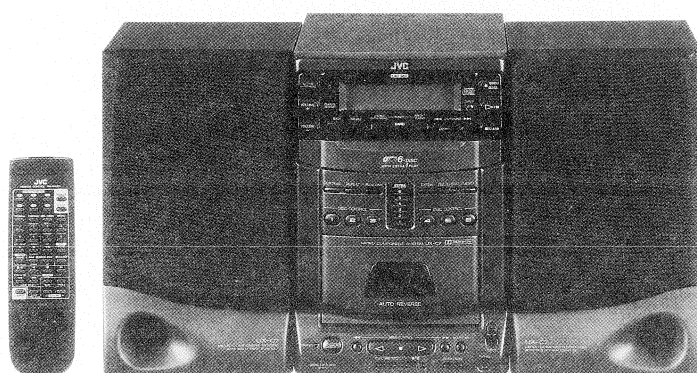


JVC

SERVICE MANUAL

MICRO COMPONENT SYSTEM

UX – C7 B/E/G/GI/EN



COMPACT
disc
DIGITAL AUDIO

Area Suffix

| | |
|---------|--------------------|
| B..... | U.K. |
| E..... | Continental Europe |
| G..... | Germany |
| GI..... | Italy |
| EN..... | North Europe |

Contents

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1. Safety Precautions

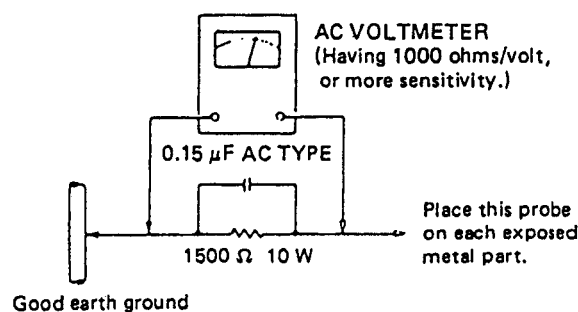
1. The design this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacture's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety — related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of service manual. Electrical components having such features are identified by (⚠) on the schematic diagram and parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
5. Leakage current check (Electrical shock hazard testing)

After re — assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. using a "Leakage current tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC(r.m.s.)

- Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 ohms 10W resistor paralleled by a 0.15 μ F AC type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC(r.m.s.). This corresponds to 0.5mA



Warning

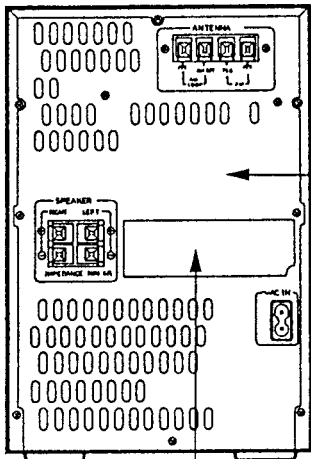
1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

2. Safety Precautions about UX – C7

IMPORTANT FOR LASER PRODUCTS PRECAUTIONS

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
4. **CAUTION:** The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent the emission of radiation when the CD holder is open. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.
6. **CAUTION:** The laser is able to function, if safety switches out of function. The laser light is invisible, avoid exposure, do not disassemble the laser unit, but replace the complete unit.

IDENTIFICATION LABEL AND CERTIFICATION LABEL



Obs:
Apparaten innehåller laser
Komponent av höger laserklass
än klass 1.

NAME/RATING PLATE

REPRODUCTION OF LABELS AND THEIR LOCATION

| | | | |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e) | ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. (d) | WARNING: Osynlig laserstråling når denna del är öppen och spärren är urkopplad. Beträkta ej strålen. (s) | VARO: Avattaessa ja suojalukitusohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f) |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|

IMPORTANT (In the United Kingdom) Mains Supply (AC 240 V~, 50 Hz only)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:



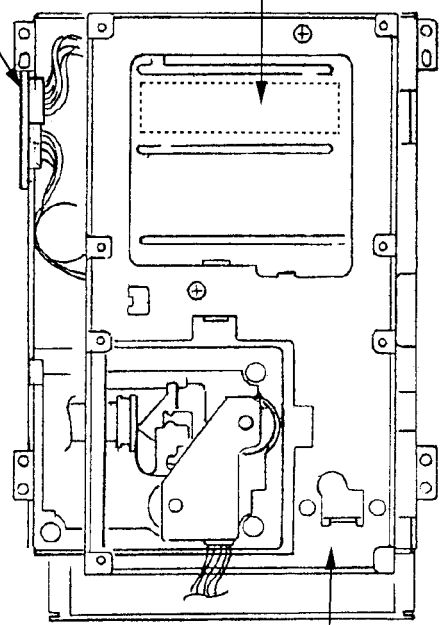
As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

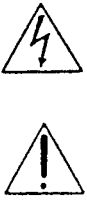
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT – CONSULT A COMPETENT ELECTRICIAN.

CD changer mechanism assembly



P.C. board holder bracket



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

■ Important management points regarding safety (Item demanding special safety precautions)

1. Power transformer marking : VTP66T4 – 24B (B version: Parts No.), VTP66J4 – 24B (E/G/GI/EN Version : Parts No.)

The torque of the screw driver for the power transformer must be controlled.

2. Following parts are controlled as the heated parts. confirm that the flammable parts are lifted up the parts in .


• Diode: D901~D905, IC: ICA35, Transistor: QA306, Power transformer

3. Concerning the AC socket, the next marking must be confirmed and to avoid print circuit board pattern damage.

The AC socket must not float from print circuit board.

• Marking HSC1466

4. Concerning the primary terminal and the adjacent secondary terminal on the print circuit board to provide proper creeping and spatial distance, solder must not protrude from soldering round.

5. Before installation confirm the fuse capacity indication, () and () marks on the fuse holder.

6. Confirm following "Electromagnetic compatibility" control matter.

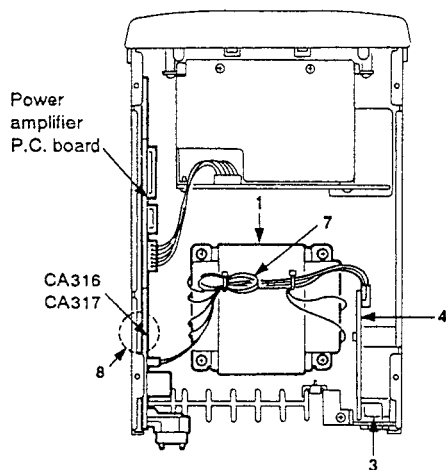
• Main P.C. board

C901~C908, CA123, CA223, RA141, RA241, LA101, LA201, LA102, LA202, RA108, RA208, CA113, CA213, CA102, CA202, LD901, LD902, LA103, LA203

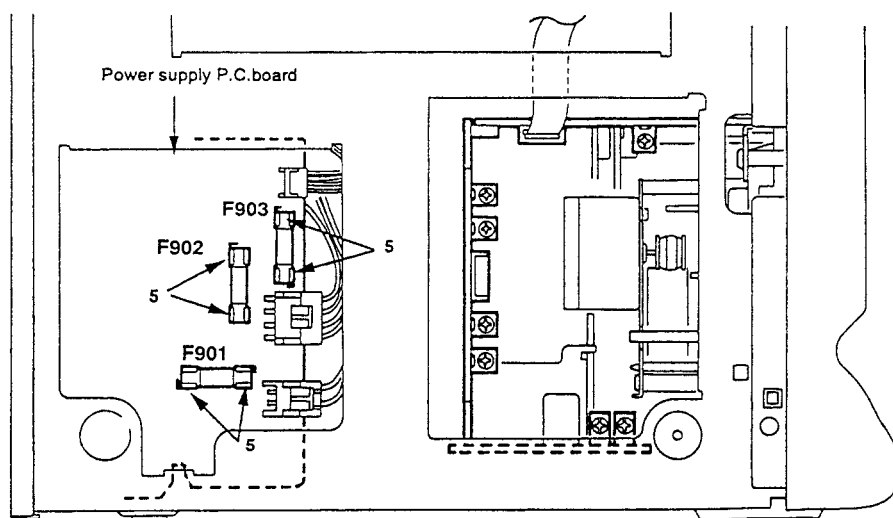
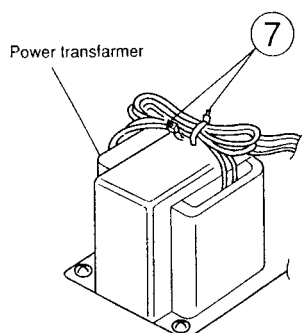
• Tuner P.C. board

C14, C55, L16, L17, Shield case & shield (VMA4554 – 002, VMA4531 – 002, VMA4522 – 003, VMA4521 – 002, VMA4561 – 002), QWY122 – 040, BP1, Shield case & shield (VMW240 – 05NTA4, VMA4617 – 001, VMA4562 – 001)


7. Wires must be clamped or secured at the locations shown in the figure so that the wire do not touch to live parts, moving part, hot part, or sharp edges.



Ref. No. 7 : Wires must be clamped.
(Except UX – C7G/GI)



3. Main Features

1. Disc-size micro component system consisting of 3 units
 2. Multi-function 6-disc changer with extra-CD to play
 - Direct Disc Select/Skip Play/Search Play/Continuous Play/Repeat Play/Random Play.
 - Programmed play of up to 20 tunes.
 3. One-touch operation (COMPU PLAY)
 - When a source button (CD, tape or tuner) is pressed, the unit's power is turned ON and initiates playback, even when the power is set to STANDBY.
 4. 40-key remote control unit operates all CD, cassette deck and tuner functions
 - Remote control unit controls power ON/OFF switching, volume control, bass/treble control, Active Hyper-Bass ON/OFF switching and a variety of editing functions.
 5. Active Hyper-Bass circuit for low-frequency sound reproduction
 6. U-Turn auto-reverse full-logic mechanism with Dolby[®] B NR
 - Auto tape select mechanism.
 - Metal (type IV) and CrO₂ (type II) tape can be played back for superior tone quality.
 - CrO₂ (type II) tape recording capability.
 - Music scan** in forward or reverse direction.
 7. 2-Band digital synthesizer tuner with 30-station (15 FM and 15 AM (MW/LW)) preset capability
 - Seek/manual tuning.
 - Auto preset tuning.
 8. Timer/Clock function
 - Timer on/off function.
 - Sleep timer can be set for up to 120 minutes.
- * Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.
- ** Under license of Staar S.A. Brussels, Belgium.

4. Specifications

Compact disc player section

| | |
|---------------------------|------------------------------|
| Type | : Compact disc player |
| Signal detection | : Non-contact optical pickup |
| Number of channels | : 2 channels |
| Frequency range | : 20 Hz – 20,000 Hz |
| Dynamic range | : 86 dB |
| Signal-to-noise ratio | : 86 dB |
| Total harmonic distortion | : 0.03 % |
| Wow & flutter | : Less than measurable limit |

Radio section

| | |
|------------------|-----------------------------------------------------------------------------|
| Frequency ranges | : FM 87.5 – 108 MHz AM: (MW) 522 – 1,629kHz (LW) 144 – 288kHz |
| Antennas | : Loop antenna for AM (MW/LW) External antenna terminal for FM (75 ohms) |

Tape deck section

| | |
|--------------|-------------------------------------------------------------------------------------------------|
| Track system | : 4-track 2-channel stereo |
| Motor | : Electronic governor DC motor (capstan x 1, reel x 1) |
| Heads | : Hard permalloy head for recording/playback, 2 gap ferrite head for erasure (Combination head) |

| | |
|--------------------|-----------------------------------------------|
| Frequency response | : 50 – 15,000 Hz (with CrO ₂ tape) |
| Wow and flutter | : 0.09 % (WRMS) |
| Fast wind time | : Approx. 120 sec (C-60 cassette) |

Speaker section (each unit)

| | |
|---------------------|---------------------------------------|
| Speaker (Impedance) | : 12 cm x 1 (4 Ω) , 5 cm x 1 (6 Ω) |
| Dimensions | : 160.5(W) x 270(H) x 215(D) mm |
| Weight | : Approx. 2.3 kg (5.1 lbs) |

General

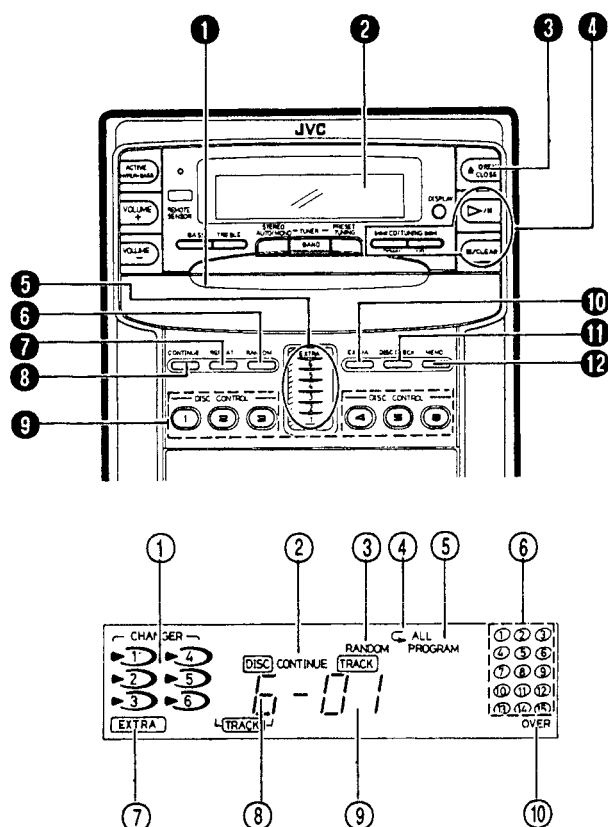
| | |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power output | : Max. 30 W (15 W + 15 W) at 4 Ω 20W (10W+10W) at 4 Ω (10% THD) |
| Output jacks | : Speakerx 2 (matching impedance 4 Ω – 16 Ω) Headphones (0 – 15 mW/32 Ω) (matching impedance 16 Ω – 1 kΩ) |
| Power supply | : AC 240 V, 50/60 Hz (UX-C7B) AC 230 V, 50/60 Hz (UX-C7GI/EN) |
| Power consumption | : 55 W (with POWER SW ON) 3.5 W (with POWER SW STANDBY) |
| Dimensions | : 501(W) x 270(H) x 280(D) mm including knobs |
| Weight | : Approx. 10.4 kg |
| Accessories provided | : Power cord x 1 Remote control unit (RM-RXC7 or RM-RXC7WT)* x 1 Battery "R6" x 2 (for the remote control) FM feeder antenna x 1 Loop antenna stand x 1 Antenna adapter x 1 * RM-RXC7 – Black colour RM-RXC7WT – White colour |

Design and specifications are subject to change without notice.

5. Instructions (Extract)

NAMES OF PARTS AND THEIR FUNCTIONS

CD changer section



- 1 CD tray
- 2 Display window
 - ① Disc mark display
 - ② CONTINUE playback indicator
 - ③ RANDOM playback indicator
 - ④ Repeat playback indicator
 - ⑤ PROGRAM mode indicator
 - ⑥ Music calendar display
 - ⑦ EXTRA CD mode indicator
 - ⑧ Function/Disc number/Track number display
 - ⑨ Track number/Playback time display
 - ⑩ OVER indicator
- 3 CD tray (▲) OPEN/CLOSE button
- 4 CD operation buttons

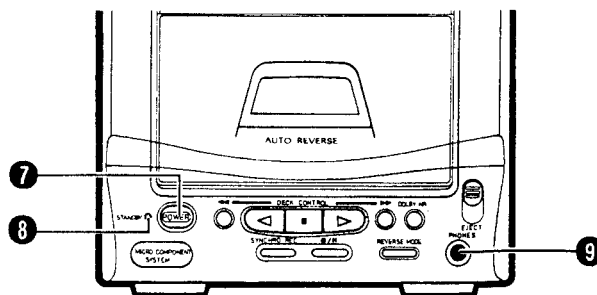
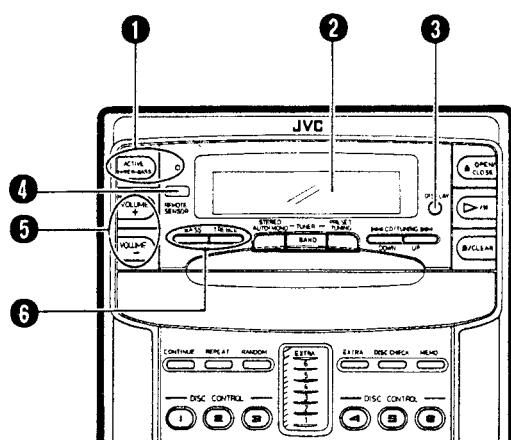
Play/pause button (▷/||):
Press to play a disc or to stop temporarily.

Stop/CLEAR button (■):
Press to stop playing a disc or cancel programmed playback. This also sets CD mode.

CD search button (◀◀, ▶▶):
Press to locate the beginning of tunes and to start forward/reverse search operations.
- 5 Disc indicators

When a disc is loaded into the CD holder of the CD changer, the corresponding indicator is lit. When a disc is being operated, the indicator blinks.
- 6 RANDOM playback button
- 7 REPEAT playback button
- 8 CONTINUE playback button
- 9 DISC CONTROL buttons (No.1 to No.6)
- 10 EXTRA disc button
- 11 DISC CHECK button
- 12 Memorandum (MEMO) button

General section



- 1 ACTIVE HYPER-BASS button and indicator
- 2 Display window

Volume (VOL) level indicator

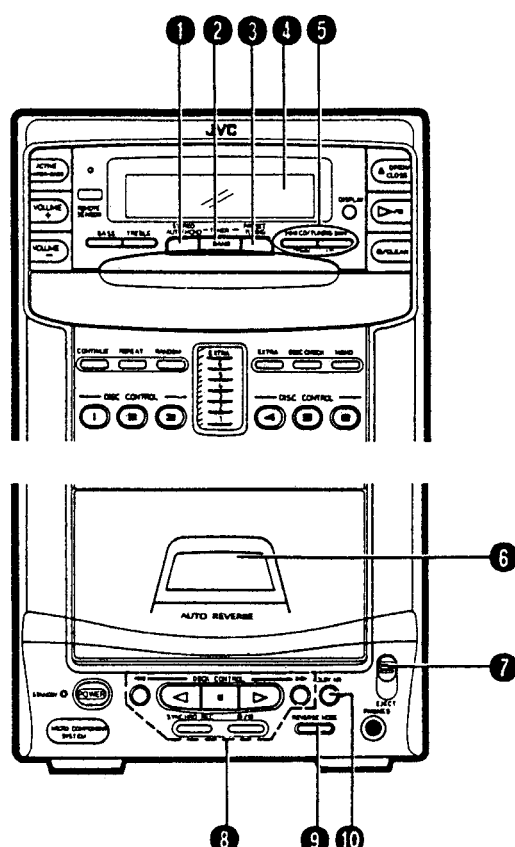
BASS/TREBLE level indicator
- 3 DISPLAY button
- 4 REMOTE SENSOR section
- 5 VOLUME buttons

+: Use to increase the volume

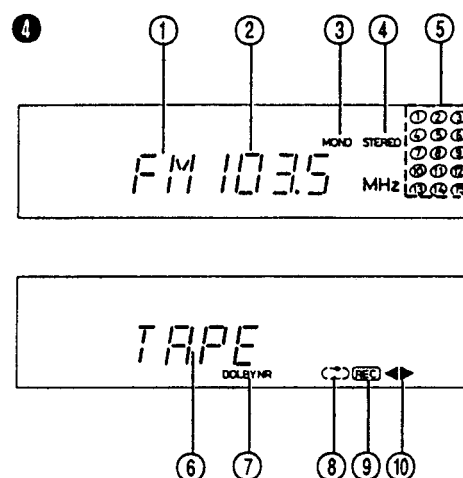
-: Use to decrease the volume

(control range from VOL 0 to VOL 50)
- 6 BASS/TREBLE buttons
- 7 POWER button
- 8 Power STANDBY indicator
- 9 Headphones jack (PHONES) (3.5 mm dia. stereo mini)
Connect headphones (impedance 16Ω to 1kΩ) to this jack. The speakers are automatically switched off when the headphones are connected.

Tuner/Deck section



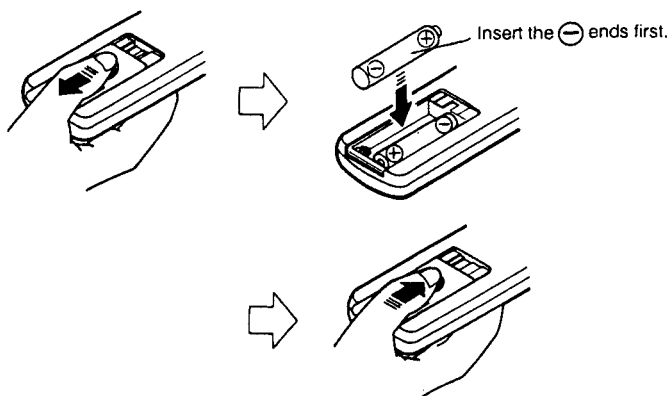
- ① STEREO AUTO/MONO button
- ② TUNER/BAND button
Press to select tuner mode.
Press to select the band (FM/AM (MW/LW)).
- ③ PRESET TUNING button
- ④ Display window
 - ① Band indicator (FM/AM (MW/LW))
 - ② Radio frequency display
 - ③ MONO indicator
 - ④ STEREO indicator
 - ⑤ Preset station display
 - ⑥ Tape (TAPE) mode display
 - ⑦ DOLBY NR indicator (DOLBY NR)
 - ⑧ Reverse mode indicator (⏮ / ⏪ / ⏩ / ⏭)
 - ⑨ Recording indicator (REC)
 - ⑩ Tape direction indicator (⏮, ⏭)
- ⑤ TUNING button (UP/DOWN)
- ⑥ Cassette holder
- ⑦ EJECT button
- ⑧ Cassette operation buttons
 - ⏮ : Press to fast wind the tape from right to left/Music scan.
 - ⏪ : Press to play back the tape in the reverse direction.
 - : Press to stop the tape. This also sets TAPE mode.
 - ⏩ : Press to play back the tape in the forward direction.
 - ⏭ : Press to fast wind the tape from left to right/Music scan.
- SYNCHRO REC : Press to start synchro recording.
- /|| : Press to set the unit to the record or record-pause mode.
- ⑨ REVERSE MODE switch
 - ⏮ : For single-side recording or playback
 - ⏪ : For both-sides recording or playback
 - ⏩ : For continuous play
- ⑩ DOLBY NR button
Set to ON when recording or playing back tapes using the noise reduction system.



REMOTE CONTROL UNIT

Preparation before use

- **Installing batteries in the remote control unit**
 1. Remove the battery cover from the back of the remote control unit.
 2. Insert two "AA" size batteries.
 - Insert the batteries with the ⊕ and ⊖ terminals matching the indication inside the battery compartment.
 3. Replace the cover.
- **Battery replacement**
When the remote control operation becomes unstable or the distance from which remote control is possible becomes shorter, replace the batteries with new ones.



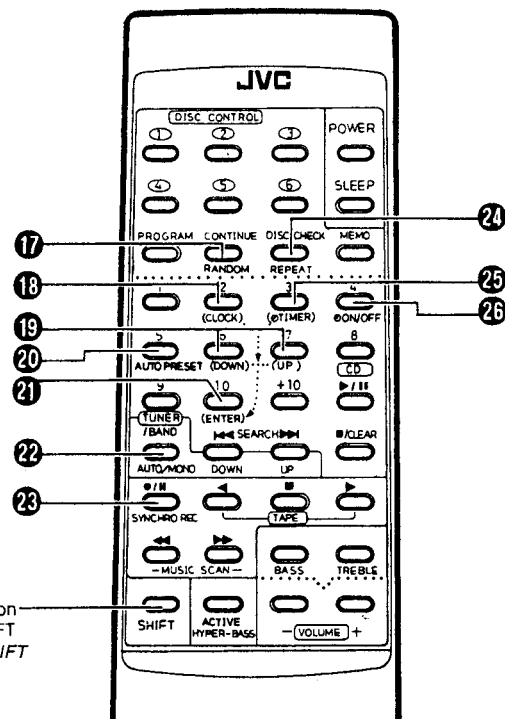
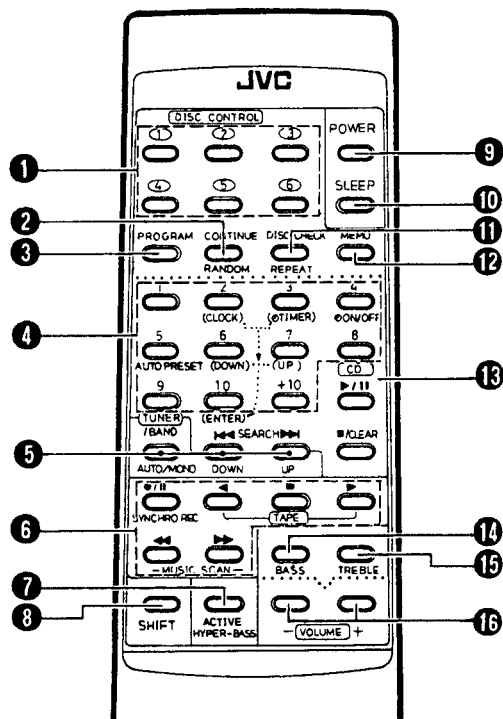
Using the remote control unit

To use the remote control unit, point it at the REMOTE SENSOR and press the buttons gently and firmly. Remote control operation is possible within about 7 m (approx. 23 ft). However, since the remote control range is less when the unit is used at an angle, use directly in front of the REMOTE SENSOR, as far much possible.

Do not expose the REMOTE SENSOR to strong light (direct sunlight or artificial lighting) and make sure that there are no obstacles between the REMOTE SENSOR and the remote control unit.

The following operations can be performed using the remote control unit.

- Check the functions of the operation buttons carefully and operate them correctly.

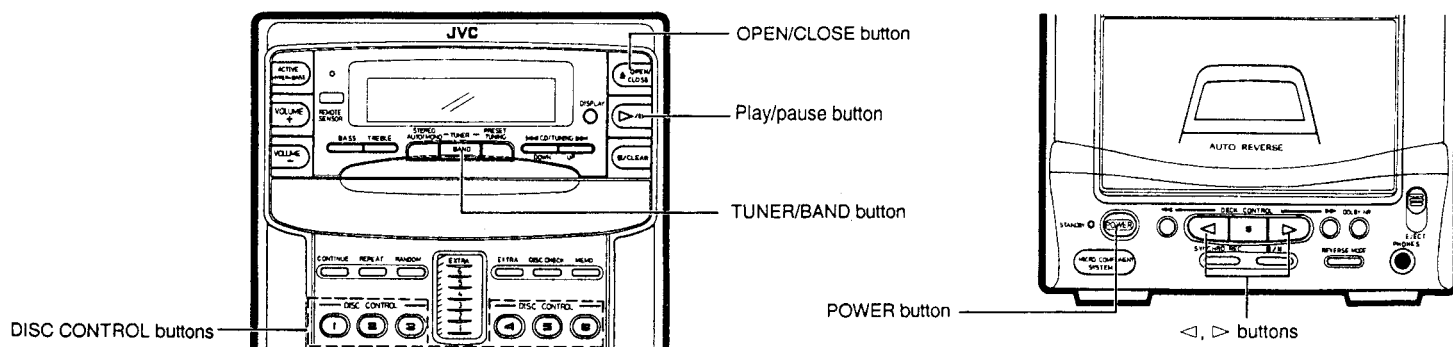


SHIFT button
Botón SHIFT
Touche SHIFT

- 1 DISC CONTROL buttons (No.1 to No.6)
- 2 CONTINUE playback button
- 3 PROGRAM button
- 4 Track (tune) number buttons (No.1 to No.10, +10)
Preset station buttons (No.1 to No.10, +10)
- 5 TUNER/BAND button
UP and DOWN buttons
- 6 Cassette operation buttons
 - /|| : Record/Record-pause button
 - ◀ : Play button (reverse direction of tape)
 - : Stop button
 - ▶ : Play button (forward direction of tape)
 - ◀◀ : Fast wind (from right to left)/Music scan button
 - ▶▶ : Fast wind (from left to right)/Music scan button
- 7 ACTIVE HYPER-BASS button
- 8 SHIFT button
- 9 POWER button
- 10 SLEEP button
- 11 DISC CHECK button
- 12 MEMO button
- 13 CD operation buttons
 - CD ▶/|| : CD mode/play/pause button
 - /CLEAR : stop/clear button
 - SEARCH : to scan to the beginning of a tune and to (◀◀, ▶▶) start forward or reverse search.
- 14 BASS button
- 15 TREBLE button
- 16 VOLUME buttons (+, -)

- Press the following buttons while holding down the SHIFT button 8.
- 17 RANDOM button
 - 18 CLOCK button
 - 19 UP•DOWN buttons
 - 20 AUTO PRESET button
 - 21 ENTER button
 - 22 AUTO/MONO button
 - 23 SYNCHRO REC button
 - 24 REPEAT button
 - 25 (⌚) TIMER button
 - 26 TIMER (⌚) ON/OFF button

SWITCHING THE POWER ON/OFF



Switching the power on/off

- Switching on:



The indicator goes out.

- The indicator in the display window lights.

- Switching off:



The indicator lights.

- The indicator in the display window goes out and only the clock is indicated.


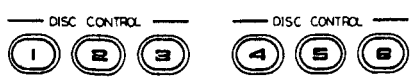



COMPU PLAY

Even when the power is set to STANDBY, pressing the button shown below switches on the power and selects the source.

When the CD tray OPEN/CLOSE button (▲) is pressed, the source sound does not switched over, the CD tray can open or close.

Notes:

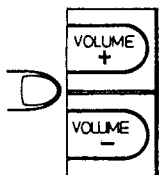
- When switching off the power, be sure to press the power button.
- The COMPU PLAY button on the remote control has the same function as the UX-C7.
- When the CD tray opens and the Play/pause (▷/||) button is pressed, the CD tray closes and the CD play starts.

| | Function mode | Operations |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------|
|   | CD | When this button is pressed with a CD loaded, CD playback begins. |
|  or  | TAPE | When this button is pressed with a tape loaded, tape playback begins. |
|  | TUNER | When this button is pressed, the tuner is engaged |

VOLUME, TONE AND OTHER CONTROLS

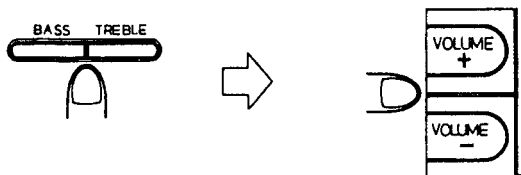
VOLUME button

+ : Use to increase the volume.
- : Use to decrease the volume.
(control range from VOL 0 to VOL 50)



BASS/TREBLE button

To set the bass or treble level, press the corresponding button and adjust it using the VOLUME buttons. The level setting ranges are from -6 to 6.



ACTIVE HYPER-BASS button

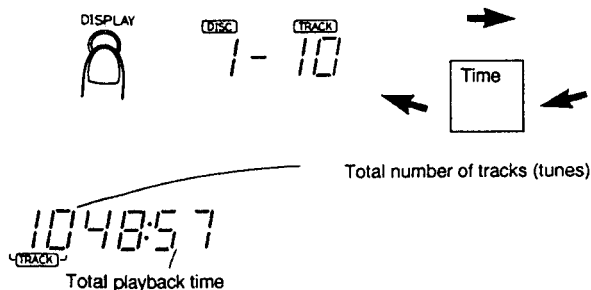
ON : The ACTIVE HYPER-BASS indicator lights. Set to this position when listening to ACTIVE HYPER-BASS sound.

OFF : The ACTIVE HYPER-BASS indicator goes out. Set to this position when ACTIVE HYPER-BASS sound is not required.

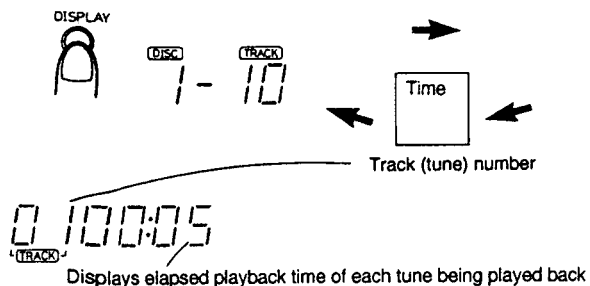
DISPLAY button

Use this button to switch between the function and time display.

- When using the tuner, press this button to display the tuned frequency and the time.
- When using a tape, press this button to show "TAPE" and the time.
- When using CD mode,
 - The display shows the following when CDs are not rotated with this button pressed:



- The display shows the following when the CDs are played with this button pressed:



PLAYING COMPACT DISCS

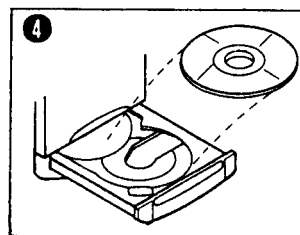
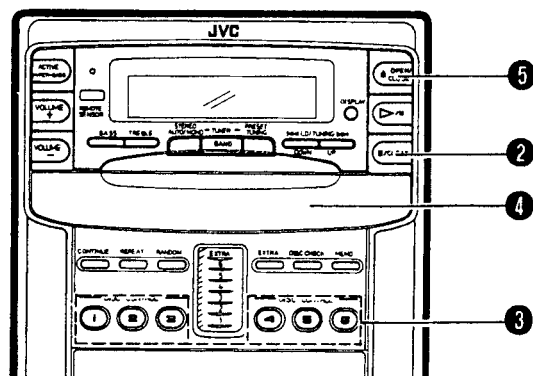


- When this unit is used for the first time (or not used for an extended period of time with an AC power cord disconnected) and the POWER switch is turned ON, CD changer mode is engaged. Disc check operation starts automatically to check if a disc is in the disc holder. ("CHECK" is shown in the display.)
- This unit can be used in two different modes.
 - In CD changer mode, it is possible to load up to six 12-cm (5") CDs in the disc holder. Various kinds of CD play can be performed.
 - In EXTRA mode, when 6 CDs are loaded in the disc changer section, a CD can be played without using the changer section.
- 8 cm (3-3/16") CDs
 - 8 cm (3-3/16") CDs can be used in this unit. (Do not use a CD adapter, as it may cause a malfunction.)
 - When an 8 cm CD is loaded, the CD changer cannot be operated. When the DISC CONTROL button is pressed, the CD tray opens for disc unloading and "PLEASE TAKE" is displayed.

CD changer operation

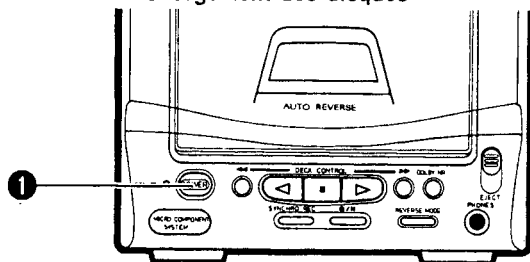
Operate in the order shown

- Loading Discs



Procéder dans l'ordre indiqué

• Chargement des disques



- ❶ Set the POWER button to ON.
- ❷ Press the ■/CLEAR button to set CD mode.
- ❸ Press the required DISC CONTROL button (No. 1 to No. 6) and the CD tray opens.
- ❹ Load a disc with the label side facing up.
- ❺ Press the ▲ OPEN/CLOSE button to close the CD tray. (The mark which shows that the disc is loaded is shown in the display.)
 - Repeat procedures ❸ to ❺ to load the other discs.

Notes:

- When loading discs, be sure to place them correctly on the tray to prevent a malfunction.
- When an "Error" is displayed, press the ▲ OPEN/CLOSE button to erase the error message and perform the operation again.

• Unloading Discs

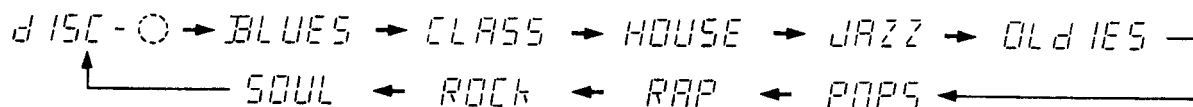
- ❶ Press the required DISC CONTROL button of the disc to be unloaded.
- ❷ Press the ▲ OPEN/CLOSE button to open the CD tray and unload the disc.
 - Repeat procedures ❶ and ❷ to unload the other discs.



Memorandum (MEMO) button

Memorandum (MEMO) button

The type of music on the loaded CDs (in the CD changer) can be stored using this button. Each time the MEMO button is pressed, the display changes as follows:



- ❶ Press the DISC CONTROL button (No. 1 to No. 6) corresponding to the specified disc.
- ❷ After CD play starts, select the correct type of music.
- ❸ Press the MEMO button to select the type of music corresponding to the disc music.
 - After a short period, when the display changes, setting is completed.
 - Repeat procedures ❶ to ❸ to specify the other discs.

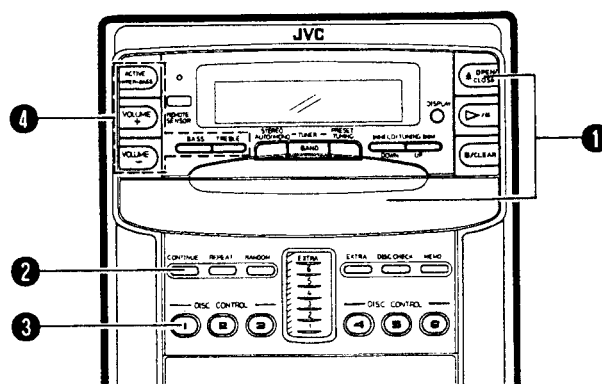
DISC CHECK button

Check the type of music on the loaded CDs (in the CD changer) using this button. When the DISC CHECK button is pressed, the type of music is shown in sequence.


Continuous play

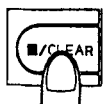
How to play all tracks
Operate in the order shown


- ❶ Load the required disc into the disc holder of the CD changer. (See page 19.)
- ❷ Press the CONTINUE button to set continuous playback mode.
- ❸ Press the No. 1 DISC CONTROL button to start playback.
- ❹ Adjust.
 - CD play starts from disc No.1 and continues till the last tune of the last disc in the disc holder.



To stop play

- **To stop in the middle of a disc**
During playback, press the /CLEAR button to stop play.



- **To stop a disc temporarily**
Press the  button to stop play temporarily and the playing time blinks. When pressed again, play resumes from the point where it was paused.

Notes:


- The following indication may be shown when a disc is dirty or scratched, or when the disc is loaded upside down.
In such a case, check the disc and insert again after cleaning the disc or turning it over.

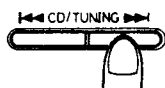
- Do not use the unit at excessive high or cold temperatures. The recommended temperature range is from 5°C (41°F) to 35°C (95°F).
- If mistracking occurs during play, lower the volume.

Skip playback

- During playback, it is possible to skip forward to the beginning of the next tune or back to the beginning of the tune being played or the previous tune; when the beginning of the required tune has been located, play starts automatically.

To listen to the next tune ...

Press the  button once to skip to the beginning of the next tune.



- * When disc select and skip operations are performed in sequence, the required track from a required disc can be selected.

Search playback (to locate the required position on the disc)

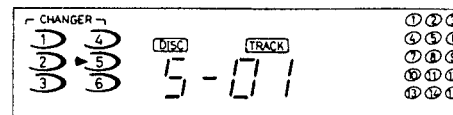
- The required position can be located using fast-forward or reverse search while playing a disc.

DISC CONTROL button

Direct Disc Selection

- **Direct Disc Selection**
Press the DISC CONTROL button (No.1 to No. 6) corresponding to the No. of the required disc.

Example: (to designate Disc 5)




The tracks on the designated disc are played in sequence.

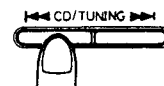
- When the unit is in continuous playback mode, by pressing the CONTINUE button, the next disc will be played after the end of the disc being played.

Note:

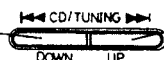
- When "PROGRAM" is shown in the display and the direct select operation is performed, the CD cannot be played.

To listen to the previous tune ...

Press the  button to skip to the beginning of the tune being played back and press again to skip to the beginning of the previous tune.



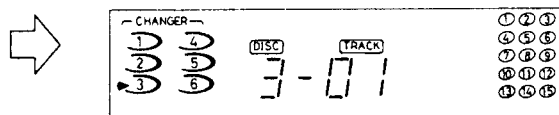
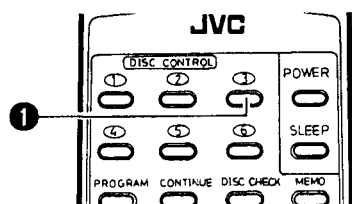
Keep pressing for fast-reverse search



Keep pressing for fast-forward search

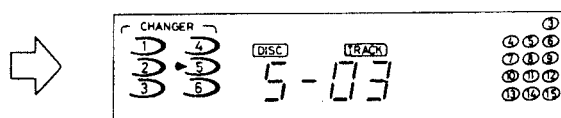
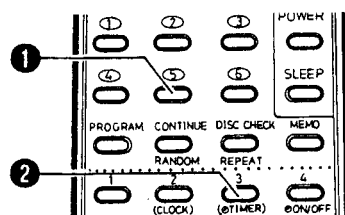
Direct access playback using the remote control

- Example 1 (to designate Disc 3)



- 1 Designate the required disc using the DISC CONTROL buttons (No. 1 to No. 6).
- CD play starts.

- Example 2 (to designate the 3rd tune of Disc 5)



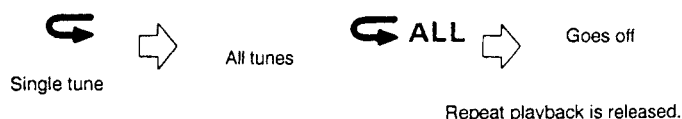
- 1 Designate the required disc using the DISC CONTROL buttons (No.1 to No. 6).
 - 2 The music calendar of the required disc is displayed and the required tune is selected using the TRACK button.
- CD play starts.

- To designate tune numbers 1 to 10, press the track number button corresponding to the track (tune) number.
- To designate tune numbers 11 or higher, press the +10 button the required number of times, then the track number button. (Example; To designate the 20th tune, press the +10 button once, then press track number button 10.)
- +10 button:
Each time this button is pressed, the number increases by 10. First press this button to set the 10 digits, then press the track number button to set the 1 digits.

Repeat playback

Press the REPEAT button before or during play. It is possible to perform repeat playback of a single tune, all tunes on one disc, or all tunes on all discs in the disc changer.

Each time the REPEAT button is pressed, the mode will change from a single tune (), to all tunes (ALL), to clear mode, in this order.



- **Single tune repeat ()**

The current or specified tune will be played repeatedly.

- **All tune repeat of one disc (ALL)**

All tunes on the current or specified CD will be played repeatedly.

- **All tune repeat of all discs (ALL. CONTINUE)**

When the CONTINUE button is pressed during " ALL " mode, CD play starts from the current or specified tune and all tunes on all discs will be played repeatedly.

Random playback

Press the RANDOM button before or during play. It is possible to perform random playback from one disc or all discs.

- **One disc random (RANDOM)**

Press the RANDOM button to randomly plays all tracks on the current or specified disc once, except in continuous mode.

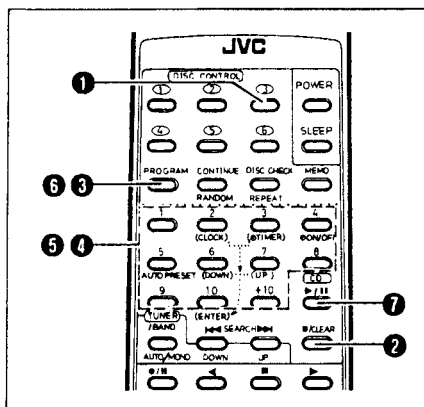
- **All disc random (ALL DISC, RANDOM)**

Press the RANDOM button in continuous play mode to randomly selects and plays tracks from all of the discs in the CD changer.

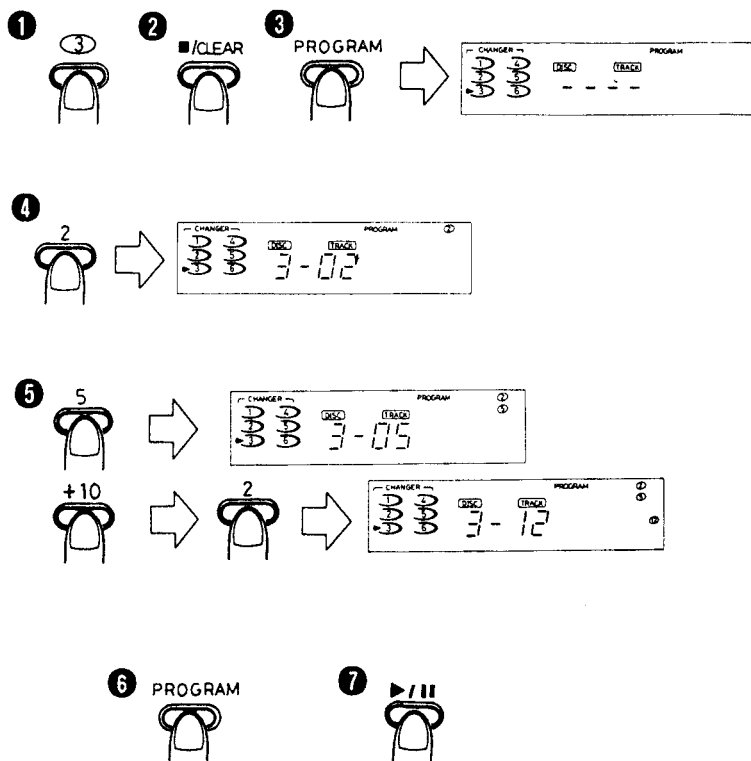
Programmed playback (using the remote control)

- Up to 20 tunes can be programmed to be played in any required order from one disc or all discs in the holder.
- Example 1 (When programming from the 3rd disc, the 2nd tune to be played first, and the 5th tune next, then the 12th tune.)

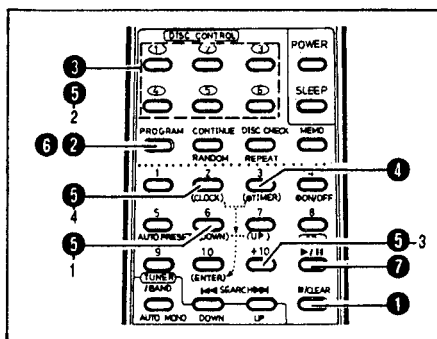
Example 1



- Press the No.3 DISC CONTROL button.
- Press the ■/CLEAR button.
- Press the PROGRAM button to set programming mode.
- Press to designate the required track number.
- Designate the remaining tunes by pressing the track number buttons.
- Press the PROGRAM button to confirm the details of the program.
 - Repeat from step 2 to readjust the program.
 - Repeat from step 4 to add to the program.
- Press the ►/|| button when programming is completed. Programmed playback starts.

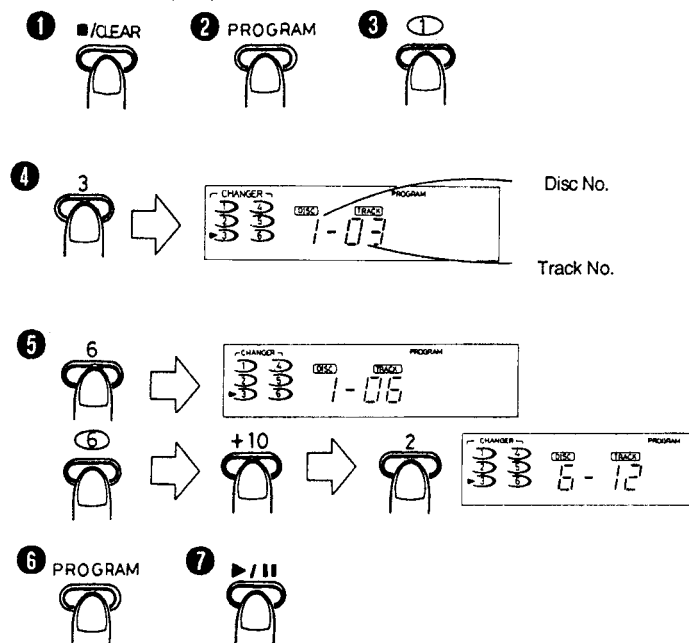


- Example 2 (With programming from more than 2 discs, the 3rd tune of disc 1 is to be played first, and the 6th tune of disc 1 next, then the 12th tune of disc 6.)



- Press the ■/CLEAR button.
- Press the PROGRAM button to set programming mode.
- Designate the required disc using the DISC CONTROL buttons (No. 1 to No. 6).
- Designate the required tune using the track buttons (No. 1 to No. 10, +10).
- Repeat procedures 3 and 4 to designate the other tunes.
- Press the PROGRAM button to confirm the details of the program.
 - Repeat from step 1 to readjust the program.
 - Repeat from step 3 to add to the program.
- Press the ►/|| button when programming is completed.

Example 2 Ejemplo 2 Example 2



To confirm the details of a program...

Press the PROGRAM button in stop mode: the tunes making up the program will be displayed in programmed order.

To clear the programmed tunes ...

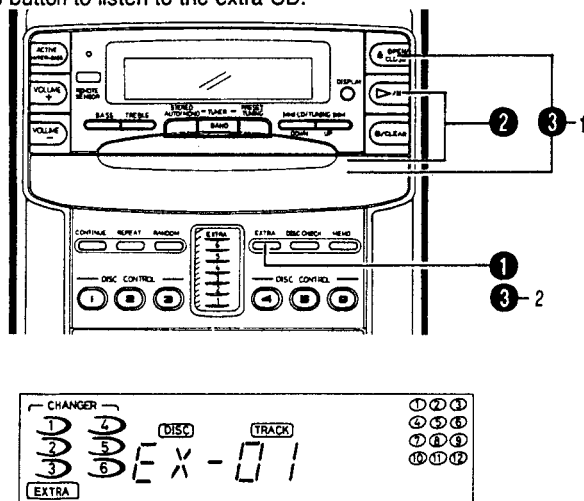
Press the CLEAR button before playing the disc. During programmed playback, press this button twice. When the CD tray is opened, the programmed tunes are cleared automatically.

Notes:

1. Programming 21 or more tunes is impossible.
2. When a disc with 16 or more tunes is loaded, the "OVER" indicator will appear.
3. When performing timer playback in the order of "Programmed play", do not press the ►/|| button in the above procedure.

EXTRA-CD operations

When 6 discs are loaded in the CD changer of this unit, use this button to listen to the extra-CD.



- 1 Press the EXTRA button during CD mode and the CD tray opens.
- 2 Load a disc and press the ►/|| button.
- 3 Unload the disc after CD play has finished, by pressing the ▲ OPEN/CLOSE button. Then, press the EXTRA button to switch back to CD changer mode.

Notes:

- When the EXTRA-CD is loaded, the CD changer cannot be used. When the DISC CONTROL button is pressed, the CD tray opens and the display shows "PLEASE TAKE", so unload the disc.
- When an EXTRA-CD is loaded and the MEMO button is pressed, "Ex" is displayed. However, the type of music cannot be stored.

Repeat playback

Press the REPEAT button before or during play. A single tune or all tunes can be repeated.

- Repeat playback of a single tune (◀) The tune being played back will be heard repeatedly.
- Repeat playback of all tunes (◀ ALL) When playing back an entire disc or programmed tunes, all tunes or the programmed tunes will be heard repeatedly.

Random playback

Press the RANDOM button, all tunes on the disc are played once, in random order.

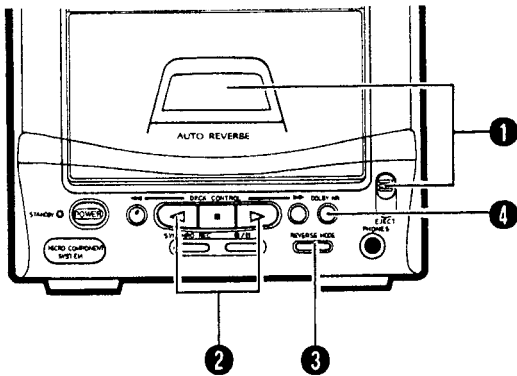
Skip, Search and Programmed playback

Refer to the CD changer section for these operations.

CASSETTE PLAYBACK



Operate in the order shown



- ① Load a cassette tape with side A facing out.
- ② Press to start playback. (The power is switched on and the TAPE mode is engaged to start the tape playback.)
- ③ Select the reverse mode (/ /).
- ④ Set the DOLBY NR switch as required.

- After loading a cassette tape, simply press the or button. The power is switched on and the tape starts playback.
- When the tape is played back with the reverse mode set to the (single side play) or (both side play) mode, the tape stops automatically at the end of tape after playing one side or both sides.

Notes:

- When switching to tape playback while playing a CD, tape sound will be heard after a few seconds.
- If the power is switched off while a tape is running, it may be impossible to remove the cassette. If this happens, switch the power on again before attempting to remove the cassette.

Music scan

- The beginning of the current tune or the next tune can be located using the music scan facility.

- ① Press the or button for tape playback.
- ② Press the or button for music scan.

- ③ When music scanning is completed, playback will start automatically.
 - To skip two tunes or more, repeat the above steps ② and ③.

| | • To the start of the next tune | • To the start of the tune being played back |
|---------------------------------|---------------------------------|----------------------------------------------|
| (Forward () direction playback) | | |
| (Reverse (direction playback) | | |

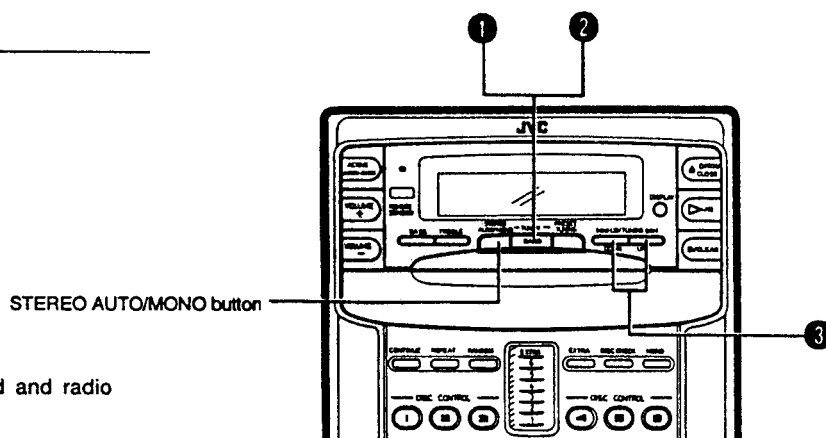
Notes:

With the following types of tape, the Music Scan mechanism may not operate correctly. This is not a malfunction; use the Music Scan facility only with suitable tapes.

- Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portion during tunes.
- Tapes with short non-recorded sections.
- Tapes with high-level noise or hum between tunes.

RADIO RECEPTION

Operate in the order shown



- ① Press the TUNER/BAND button.
 - The power is switched on and a band and radio frequency will be shown in the display.
- ② Select the band (FM or AM (MW/LW)).
- ③ Tune to the required station.

STEREO AUTO/MONO button

AUTO:

Set to this position when listening to or recording an FM stereo broadcast. The STEREO indicator lights when the FM stereo broadcast is received.

MONO:

Set to this position when FM stereo reception is noisy.

• Seek tuning

Press the UP or DOWN button for one second or more; the unit enters the seek tuning mode and tunes to higher or lower frequencies, and when the broadcast is received, it stops tuning automatically and the broadcast can be heard.

In AM operation, the frequency moves continuously from the MW to the LW band and vice versa.

• Manual tuning

Each time the UP or DOWN button is pressed, the unit steps through the current frequency band. Tuning is in steps of 50 kHz for FM and 9 kHz for AM (MW/LW).

In AM operation, the frequency moves continuously from the MW (522 - 1,629 kHz) to the LW (144 - 288 kHz) band and vice versa.

Notes:

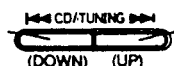
- When switching to tuner mode while playing a CD, tuner sound will be heard after a few seconds.
- When seek tuning to the required station is not possible because it is broadcasting too weak a signal, press the UP or DOWN button momentarily to perform manual tuning.
- When the power is set to STANDBY, or another mode (TAPE or CD) is selected, the last tuned frequency is stored in memory. When the power is switched on again and TUNER/BAND button is pressed, the same station will be heard.

Auto preset tuning (using the remote control unit)

This function scans the current band (FM or AM (MW/LW)), detecting frequencies used to broadcast signals, and stores the first 15 frequencies in memory automatically.

- Press the AUTO PRESET button while pressing the SHIFT button. The frequencies of stations broadcasting signals can be preset automatically in the order of increasing frequency. (15 stations in each band (FM and AM (MW/LW))).

Press to move to lower frequencies

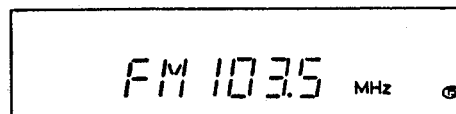
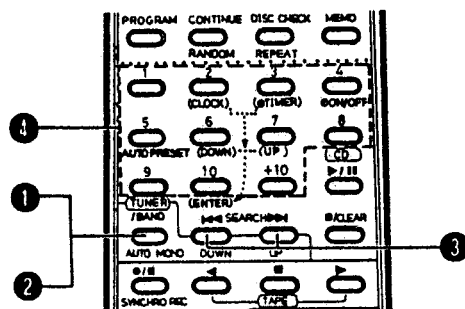


Press to move to higher frequency

Presetting stations (using the remote control unit)

15 stations in each band (FM and AM (MW/LW)) can be preset as follows:

- **Example** (when presetting an FM station broadcasting at 103.5 MHz to preset button "15")



- ① Press the TUNER/BAND button.
 - ② Select the FM band using the TUNER/BAND button.
 - ③ Tune to the required station.
 - ④ Press preset button "+10", then "5" for more than 2 sec. (When "15" blinks in the preset station display, the station has been preset.)
- Repeat the above procedure for each of the other stations, using a different preset button each time..
 - Repeat the above procedure for the AM (MW/LW) band.
 - **To change preset stations**
Perform step ④ above after tuning to the required station.

Notes:

- The previous preset station is erased when a new station is set as the new station's frequency replaces the previous frequency in memory.
- When listening to an AM (MW/LW) broadcast, noise may be heard if the remote control is used.
- All preset stations will be erased when the power cord is disconnected or a power failure occurs for more than 24 hours. In such cases, preset them again.

Preset tuning

- The stations must be preset before this operation can be performed.

(Using the controls of the main unit)

- ① Press the TUNER/BAND button.
- ② Select the band (FM or AM (MW/LW)) using the TUNER/BAND button.
- ③ Press the PRESET TUNING button to select the required preset station.

(using the remote control unit)

- ① Press the TUNER/BAND button
 - ② Select the band (FM or AM (MW/LW)) using the TUNER/BAND button.
 - ③ Press the required preset station buttons (No.1 – No.10, +10).
- The preset station number and frequency corresponding to the button pressed are shown.

Using the antennas

FM: Connect the provided FM feeder antenna (see page 7).

AM (MW/LW) : Adjust the position of AM (MW/LW) loop antenna.

RECORDING



- In recording, the ALC circuit automatically optimizes the recording level; adjustment of the recording level is unnecessary.
- Check that the safety tab on the cassette tape is not broken off.

Notes:

This unit has recording characteristics suitable for normal and CrO₂ tapes. Normal and CrO₂ tapes have different characteristics from metal tape.

DOLBY NR SYSTEM

- **Set the DOLBY NR as required.** The DOLBY NR indicator lights.

Note:

The optimum sound quality will not be obtained if different DOLBY NR switch settings are used during recording and playback.

It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, or artistic work embodied therein.

Erasing

When recording on a pre-recorded tape, the previous recording is automatically erased and only the new material can be heard when the tape is played.

To erase a tape without making a new recording...

Press the ■ (stop) button to set to the TAPE mode, then perform recording.

CD complete recording function (Synchro recording mode only)

If the tape is reversed while a CD is being played, recording will be done on the reverse side of the tape as follows:

- * When less than 12 seconds of the last tune on the forward side of the tape have been recorded, recording on the other side of the tape will start from the beginning of the previous tune.
- * When more than 12 seconds of the last tune on the forward side of the tape have been recorded, recording on the other side of the tape will start from the beginning of the current tune.

To record an entire disc in the tune order of the CD

After the operations in steps ① - ③ above, press the ▷/|| button of the CD player after the ●/|| and ▷ buttons have been pressed.

Note:

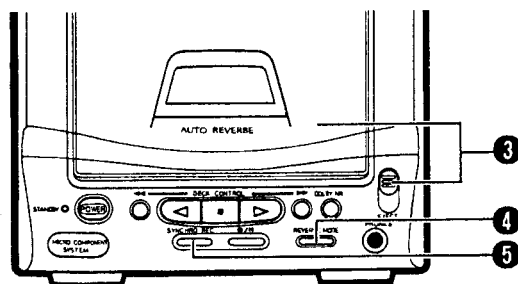
- During synchro recording, the PAUSE and SEARCH buttons do not function.

Synchronized recording with the CD player

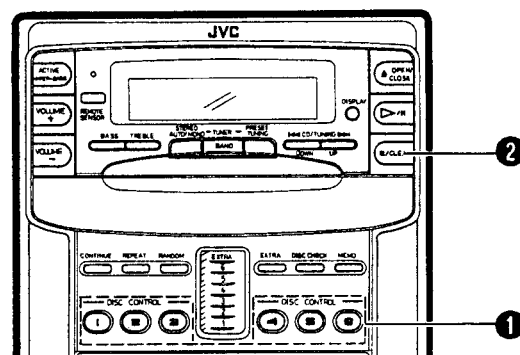
- In this system, the CD player starts playback when the cassette deck enters the recording mode.

Operate in the order shown

(Recording from the CD changer)



- ① Press the DISC CONTROL button corresponding to the disc to be recorded.
 - ② Press the ■/CLEAR button to set stop mode.
 - ③ Load a cassette with side A facing out. (Wind past the leader tape before starting recording.)
 - When programmed playback is required, program the required tunes using the remote control. (See page 26.)
 - Select tunes with a total playing time which does not exceed the tape length.
 - ④ Select the required reverse mode (↔ or ↔)
 - ⑤ Press the SYNCHRO REC button; synchronized recording will start.
- Recording starts in the forward direction and CD play starts automatically.
 - When the CD player has played the disc or programmed tunes, the deck stops automatically.
 - Non-recorded sections of approx. 4 seconds are automatically left between tunes.



- To stop recording, press the ■/CLEAR button of the CD player. (If the ■ (stop) button of the cassette deck is pressed, the program will be cleared during programmed playback.)

(Recording from the EXTRA-CD)

Load the EXTRA-CD and press the ■/CLEAR button to set stop mode, and press the SYNCHRO REC button.

When automatic spacing between tunes is not required ...

Perform the following.

1. Press the ▷/|| button of the CD player twice. The CD Player enters the pause mode.
2. Press the SYNCHRO REC button to start recording.

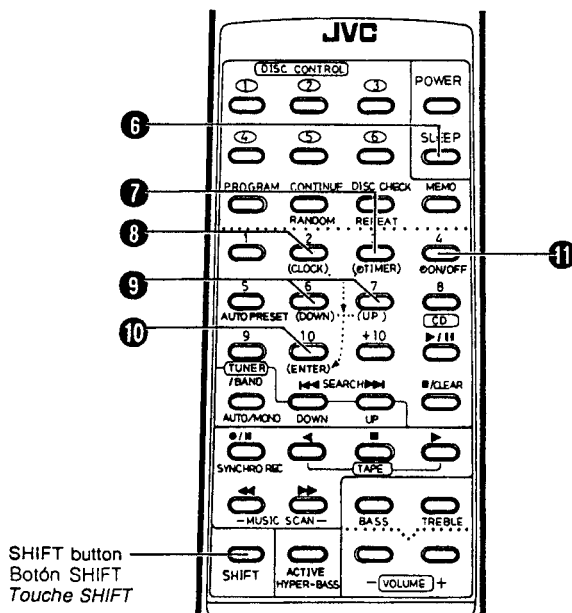
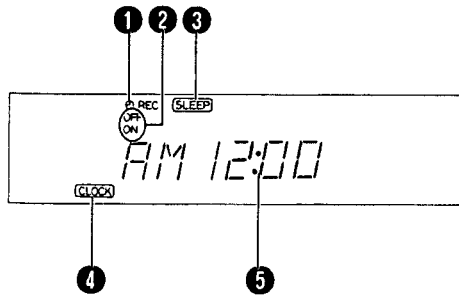
Notes:

- Depending on the disc used, blanks of a specified length may be left between tunes.
- When synchro recording is performed using more than two discs, non-recorded sections of approx. 4 seconds are automatically left on the tape when changing the disc.

CLOCK/TIMER ADJUSTMENT

(Using the remote control)



Names of parts in the clock/time section, and their functions:



SHIFT button
Botón SHIFT
Touche SHIFT

- ① Timer mode indicator
- ② Timer indicator (ON/OFF)
- ③ SLEEP indicator
- ④ CLOCK indicator
- ⑤ Time display
- ⑥ SLEEP button

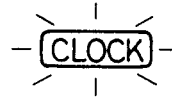
Press the following buttons while holding down the SHIFT button.

- ⑦ TIMER () button
- ⑧ CLOCK button
- ⑨ DOWN/UP button
- ⑩ ENTER button
- ⑪ Timer () ON/OFF button

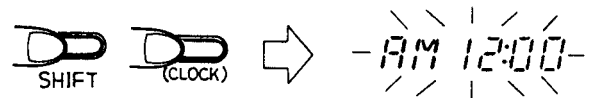
Setting the current time (when the UX-C7 is used for the first time)

(Example: to set the clock to PM 1:15.)

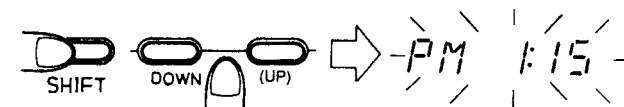
①



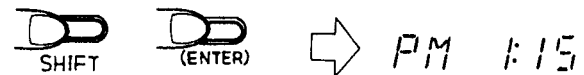
②



③



④




- ① Connect the AC power cord; "CLOCK" will blink in the display.
- ② Press the CLOCK button while pressing the SHIFT button; "AM 12:00" will blink in the display.
- ③ Set to PM 1:15 by pressing the UP/DOWN buttons while pressing the SHIFT button. (When the buttons are kept pressed, the minute/hour indication changes continuously.)
- ④ Press the ENTER button while pressing the SHIFT button; the time will light in the display.
- Each time the hour's digits change from 11 to 12, the display alternates between AM and PM. (12 midnight is indicated as "AM 12:00" and 12 noon is indicated as "PM 12:00".)
- To set to the nearest second...
Press the ENTER button while pressing the SHIFT button when you hear the time signal from a TV or radio.

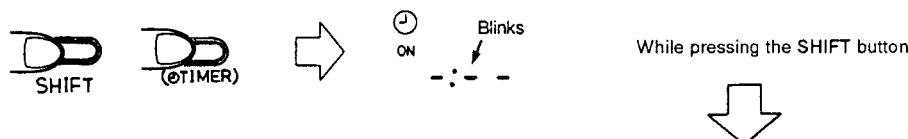
Notes:

- Before performing timer recording or playback, it is necessary to set the current time.
- It is recommended to set the current time with the power switch set to STANDBY so that the current display mode is maintained.
- When the power cord is plugged in again after being disconnected or power is restored after a power failure, "CLOCK" will blink in the display. Set the current time again.

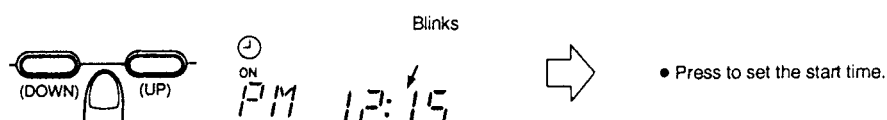
Setting the timer

- The current time must be set before the timer can be used.

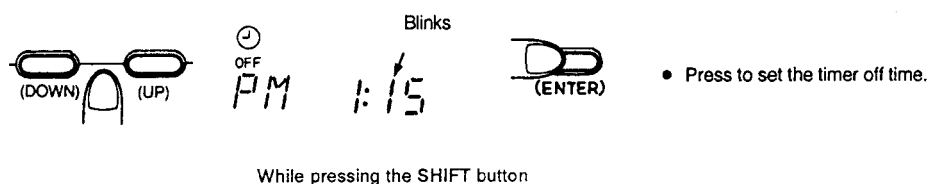
- Press the TIMER () button while pressing the SHIFT button.



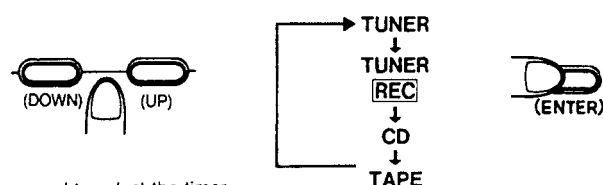
- Set the start time
(Example: when the timer start time is set to PM 12:15.)



- Set the stop time
(Example: when the timer stop time is set to PM 1:15.)



- Select the TIMER mode.




When the UP button is pressed to select the timer mode, the mode changes from the TUNER (timer reception of a broadcast) to TUNER/REC (timer recording of a broadcast), CD (timer playback of a CD), TAPE (timer playback of a tape), in this order.

- The selected timer mode is shown in the display.

- The unit enter the previously engaged mode and timer setting is complete.

To check the timer setting

- Press the () TIMER button while pressing the SHIFT button.
- Press the ENTER button while pressing the SHIFT button to check the timer mode.
- When the previous engaged mode is displayed, timer setting has been completed.

Notes:

- When the timer is set incorrectly or the correct mode is not selected, perform "Setting the timer" from the beginning.
- When the timer is set, "--:--" in the display is replaced by the input digits.
- When the timer stop time is not set, the timer operates for 2 hours and then the unit is switched off.

TIMER OPERATIONS

Timer recording of broadcast

- The current time must be set correctly before you set timer recording.
- Make sure that the erase protection tabs of the cassette have not been broken off.

Operations

1. Set the POWER button to ON.
2. Load a cassette.
 - Insert the cassette with the side to be recorded facing out.
 - Set the reverse mode button to "↔" or "↔" and set the DOLBY NR button as required.
3. Set the timer start and stop times, set the timer recording mode, in this order. (Refer to "Setting the timer" on page 42.)
 - Set the timer about a minute before the broadcast to be recorded is scheduled to start.
4. Tune to the station to be recorded. (Refer to page 32.)
5. Adjust the volume.
6. Set the POWER button to STANDBY.

- **Timer recording will start at preset start time and the power will be switched off at preset stop time.** (The timer mode is then released.)

To cancel timer operation

Press the timer (⌚) ON/OFF button while pressing the SHIFT button so that the timer mode display (⌚) goes out.

If you do this, timer recording will not start at the timer start time.

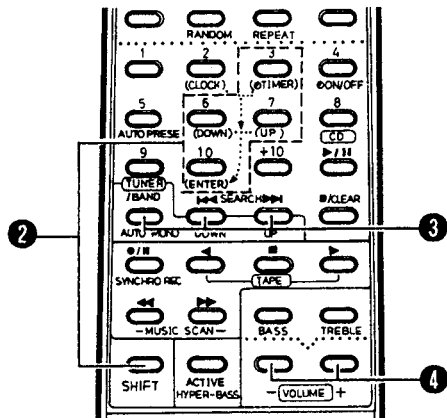
Notes:

Once the timer has been set, the start and stop times, etc., are stored in memory. When timer recording or playback is required at different times, the timer must be set again.

Timer playback

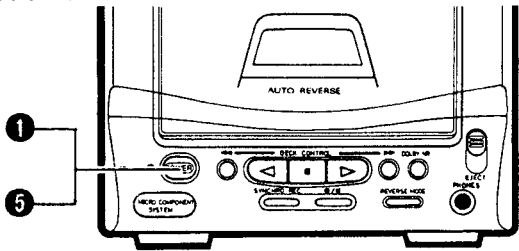
- Timer playback of tapes, broadcasts and CDs is possible.

Operations



- 1 Set the POWER switch to ON.
- 2 Set the timer start and stop times, set the timer playback mode, in this order. (Refer to "Setting the timer" on page 42.)

Operations



- Timer playback of a CD is possible in programmed order. (See page 26.)

| Source sound | Timer mode | Operations |
|---------------|------------|--------------------|
| CD play | CD | Load a disc |
| Tape playback | TAPE | Load cassette tape |
| Broadcast | TUNER | — |

- 3 Tune to the required frequency when the timer playback of a broadcast is to be performed.
- 4 Adjust the volume.
- 5 Switch the power off.

- Timer playback will start at the timer start time and the power will be switched off at the timer stop time. The unit remains in the same timer mode even after the power is switched off and the same timer function will be repeated at the same time on the following day.

To cancel timer operation

Press the timer (⌚) ON/OFF button while pressing the SHIFT button so that the timer mode indicator (⌚) disappears.

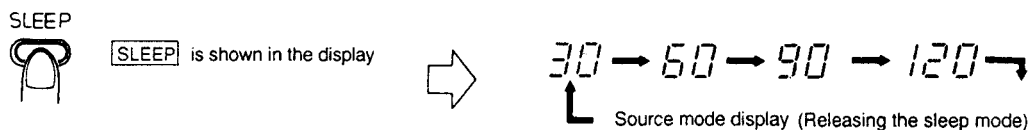
Note:

- To stop during timer playback, press the POWER button to switch the unit off.

SLEEP OPERATIONS

A. Use this when you want to fall asleep while listening to a tape, broadcast or CD.

- ① Set the required source and tune or play back (CD, tape).
- ② Press the SLEEP button to set to the sleep time.



- Sleep times of 30, 60, 90 or 120 minutes can be set. When you release the SLEEP button, the source is displayed after 5 sec.
- The sleep operation will start and the power will be switched off after the specified time.
- **Checking the sleep time**
When the SLEEP button is pressed, the remaining sleep time is displayed. If it is pressed again, a new sleep time can be set.
- **To cancel the sleep operation**
Press the POWER button to switch the power off or press the SLEEP button until the sleep time indicator disappears.

B. To fall asleep while listening to a tape, a broadcast or CD and to perform timer playback the following morning

1. Set the timer playback start and stop times. (See the "Setting the timer" on page 42.)
 2. Set the timer mode. (See "Setting the timer" on page 42.)
 3. Set to the required source (broadcast, tape or CD).
 4. Adjust the volume.
 5. Press the SLEEP button to set the sleep time.
- Any required source can be selected when performing the sleep operation and time playback. For example;
 - CD play for sleep operation and broadcast reception for timer playback.
 - Tape playback for sleep operation and CD play for timer playback.
- However, when broadcast reception is selected for both sleep operation and timer playback, the station you were listening to at night will be tuned to the following morning.

6. Location of Main Parts

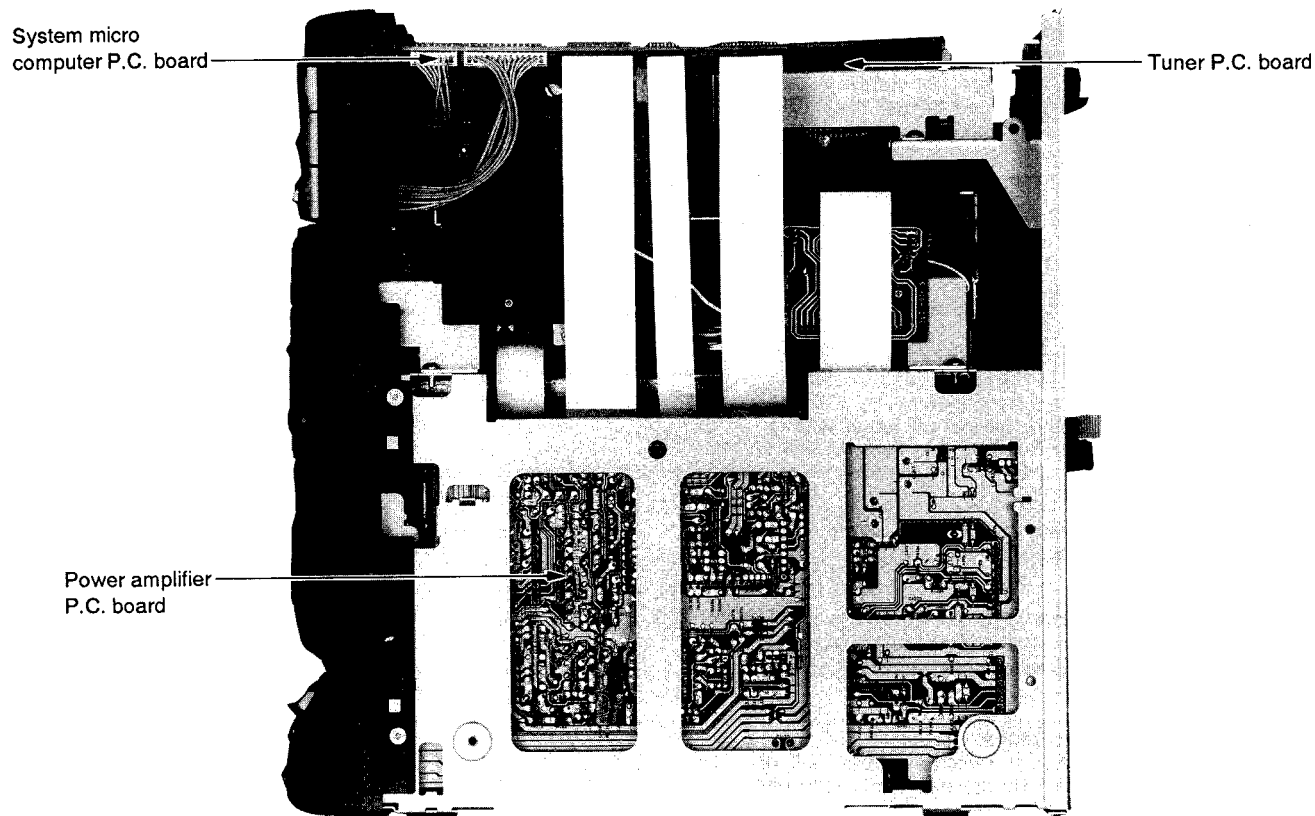


Fig. 6 - 1

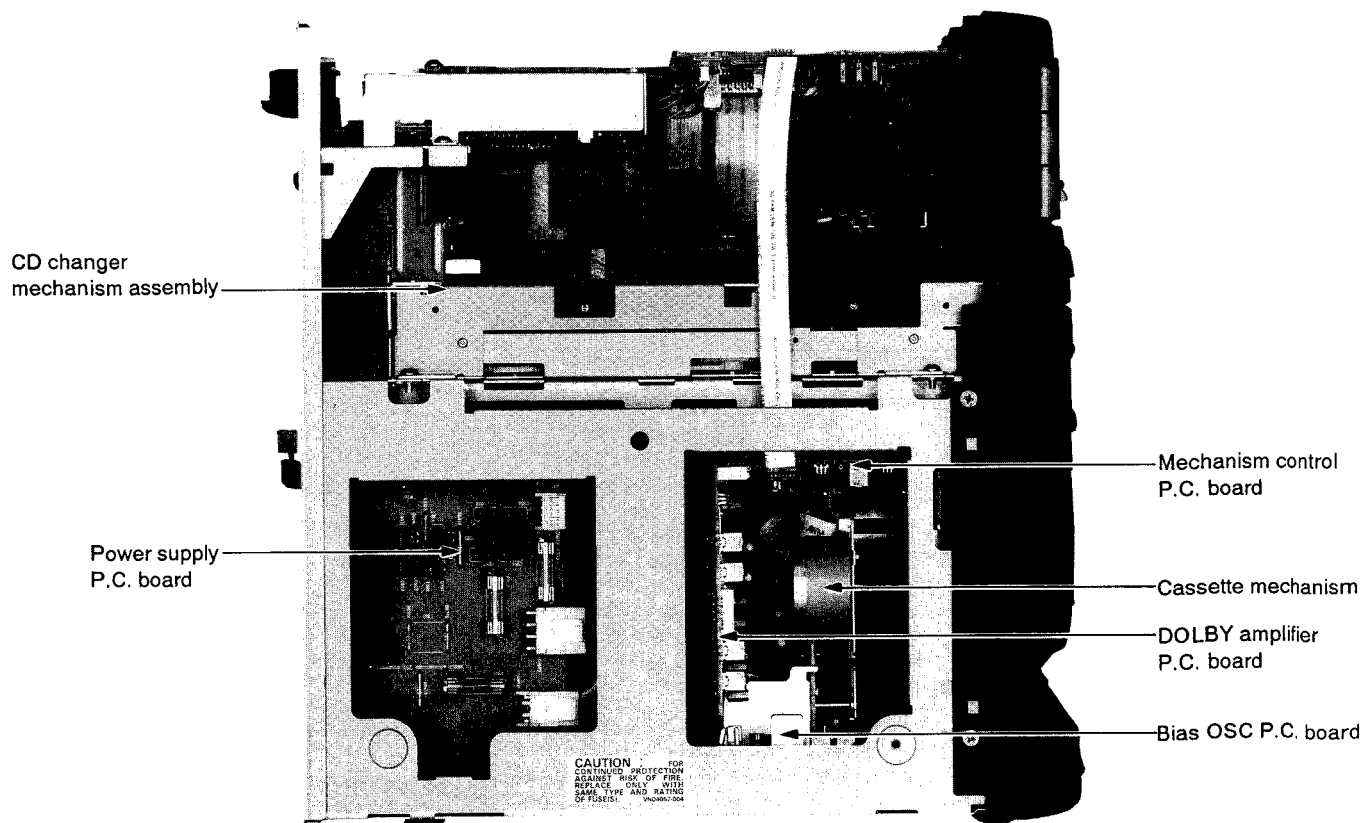


Fig. 6 - 2

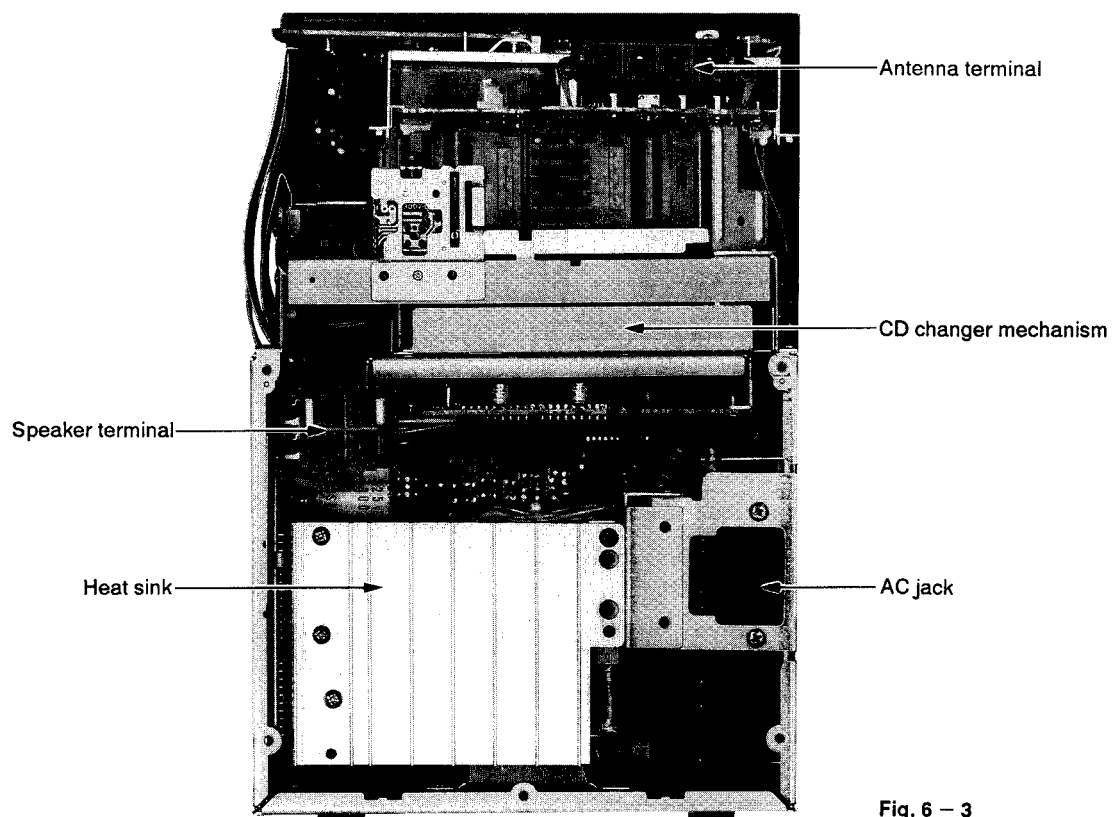


Fig. 6 - 3

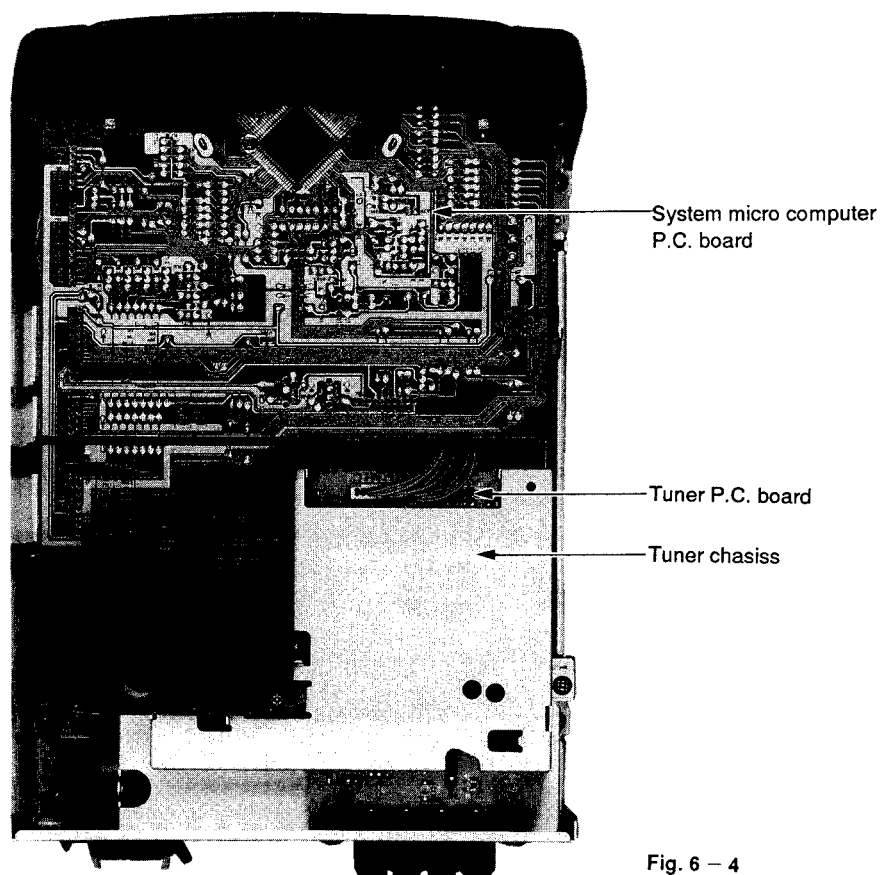


Fig. 6 - 4

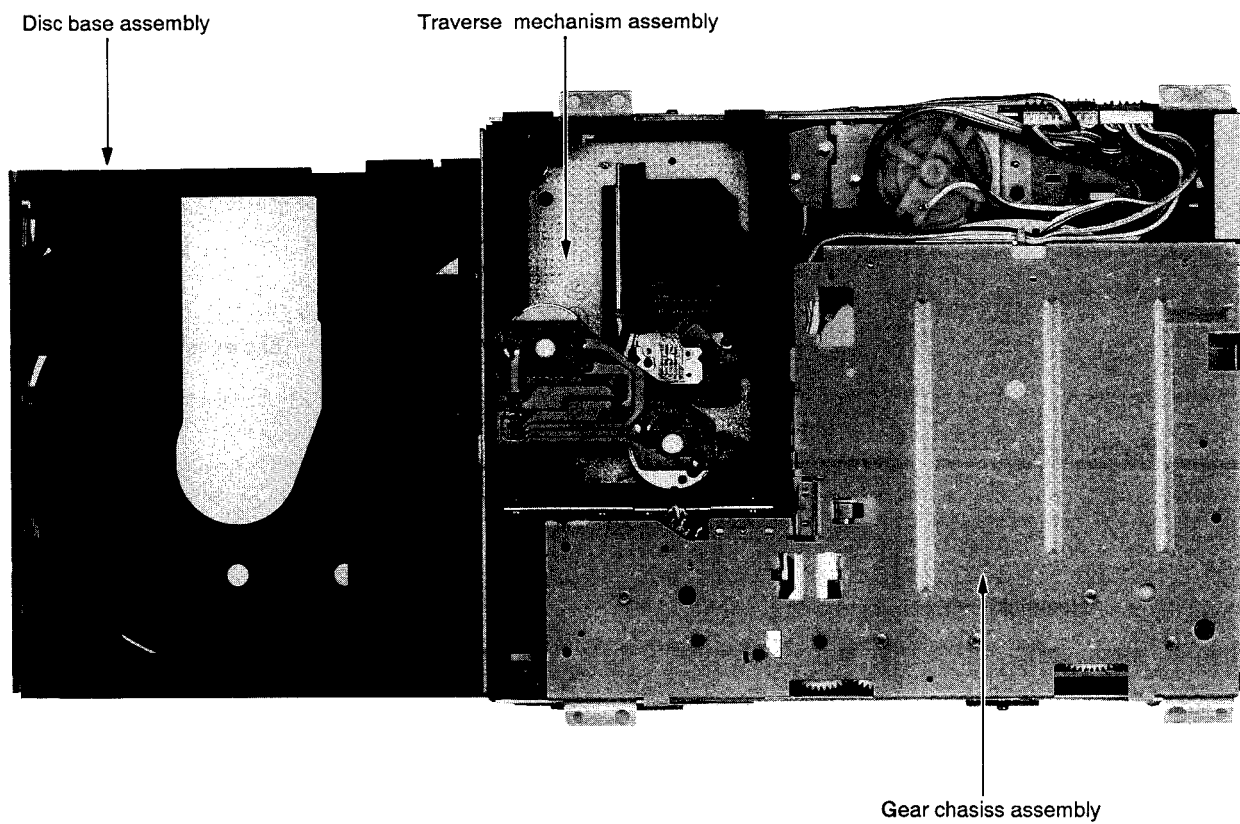


Fig. 6 - 5

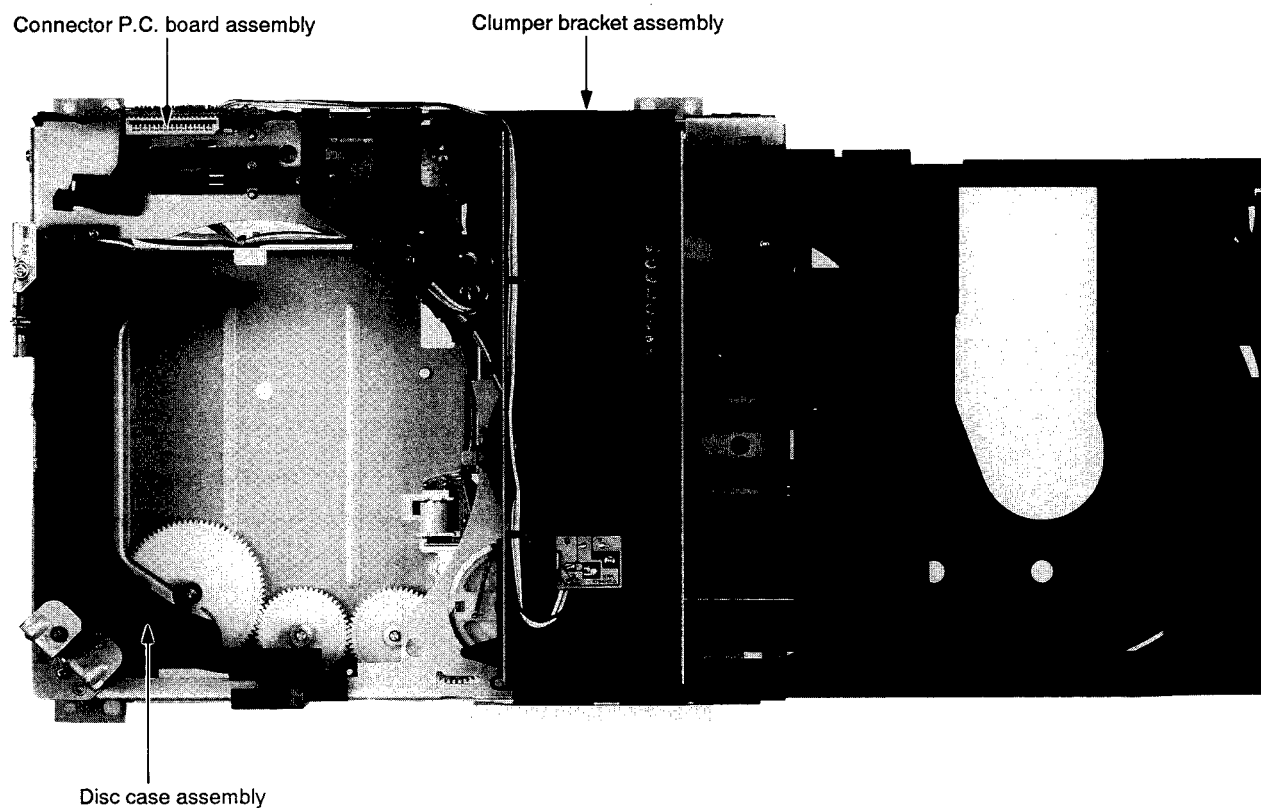


Fig. 6 - 6

7. Removal of Main Parts

■ Method of removing the top cover (Refer to Figs 7-1 ~ 7-3)

1. From the back surface of the body, remove the five screws ① retaining the top cover.
2. From the right and left sides of the body, remove the two screws ② retaining the top cover.
3. While manually expanding the sleeves on the right and left sides of the top cover to outside, remove the top cover from the back surface of the body by raising and falling the sleeves to the front side.

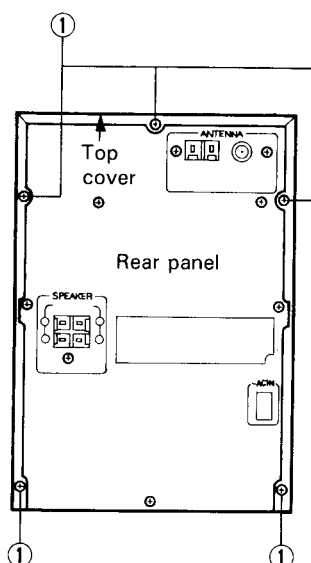


Fig. 7-1

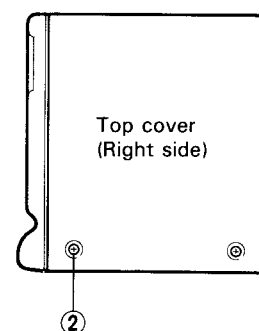


Fig. 7-2

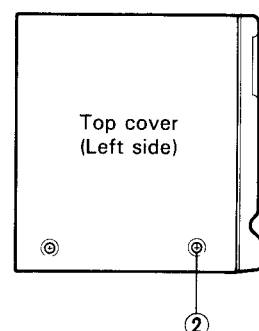


Fig. 7-3

■ Method of removing the system micro-computer P.C board (Refer to Figs. 7-4 ~ 7-6)

1. From right above the body, remove the three screws ③ retaining the system microcomputer P.C. board.
2. From the connector CN1 on the tuner P.C. board, remove the # 10 PIN connector outgoing from W704 on the system microcomputer P.C. board.
3. After turning the body to the left side, the wire card outgoing from the connector CN854 on the cassette control P.C. board should be removed from the connector CN703 on the system microcomputer P.C. board.
4. After turning the body to the right side, the wire card outgoing from the connector CN801 on the CD changer control P.C. board should be removed from the connector CN704 on the system microcomputer P.C. board.
5. From the connector CN702 on the system microcomputer P.C. board, remove the wire card outgoing from the connector CN601 on the CD amplifier P.C. board.
6. From the connector CN701 on the system microcomputer P.C. board, remove the wire card outgoing from the connector CNA33 on the power amplifier P.C. board.
7. From the connector CN706 on the system microcomputer P.C. board, remove the # 13 PIN connector outgoing from W702 on the CD changer control P.C. board.
8. From the connector CN705 on the system microcomputer P.C. board, remove the connector outgoing from W701 on the CD operation switch control P.C. board.

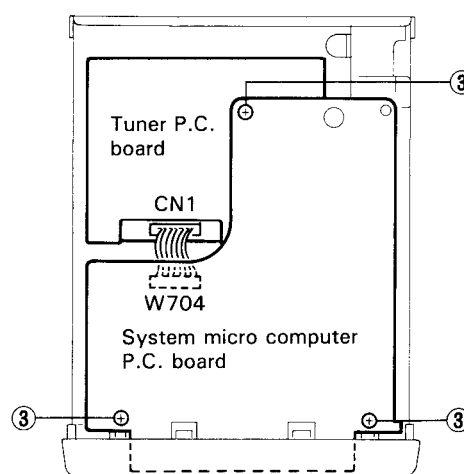


Fig. 7-4

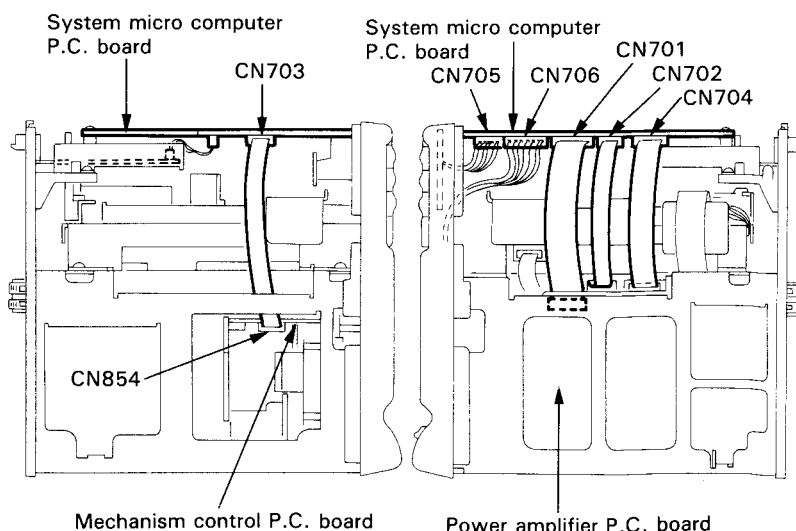


Fig. 7-5

Fig. 7-6

■ **Method of removeing the tuner P.C. board**
(Refer to Figs. 7-7 ~ 7-9)

1. Remove the top cover (Refer to "Method of removing the top cover").
2. Remove the system microcomputer P.C. board (Refer to Items 1 and 2 of "Method of removing the system microcomputer P.C. board").
3. From the tuner bracket, remove the two screws ④ retaining the protector covering the tuner P.C. board (Refer to Fig. 7-7).
4. From the back surface of the body, remove the two screws ⑤ retaining the antenna terminal on the tuner P.C. board (Refer to Fig. 7-8).
5. From the tuner P.C. board assembly, remove the tuner bracket attached to the rear panel.
6. From the tuner bracket, remove the one screw ⑥ retaining the tuner P.C. board using the P.C. board assembly as a soldering surface (Refer to Fig. 7-9).

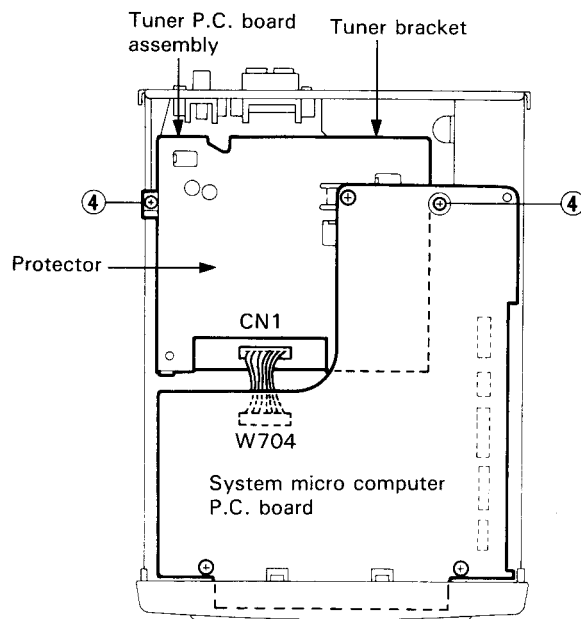


Fig. 7-7

■ **Method of removing the rear panel**
(Refer to Fig. 7-8)

1. Remove the top cover (Refer to "Method of removing the top cover").
2. Remove the system microcomputer P.C. board (Refer to Items 1 and 2 of "Method of removing the system microcomputer P.C. board").
3. From the rear panel, remove the one screw ⑦ retaining the speaker terminal (Refer to Fig. 7-8).
4. From the back surface of the body, remove the three screws ⑧ retaining the rear panel (Refer to Fig. 7-8).
5. Remove the rear panel together with the tuner bracket retaining the panel.

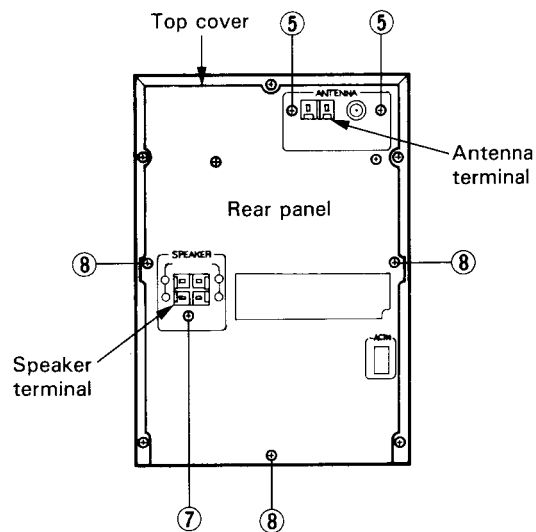


Fig. 7-8

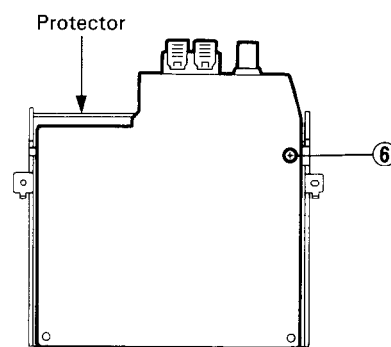


Fig. 7-9

■ Method of removing the CD changer mechanism assembly

(Refer to Figs. 7-10 ~ 7-12)

1. After turning on the power supply, press the CD tray [OPEN/CLOSE] button and draw out the CD tray. Next, pull out the power cord from the receptacle, and remove the CD fitting while pushing it in the direction of arrow. Subsequent to plug the power cord into the receptacle, press the CD tray [OPEN/CLOSE] button and return the CD tray. Then, turn off the power supply and pull out the power cord from the receptacle (Refer to Fig. 7-10).
2. Remove the top cover (Refer to "Method of removing the top cover").
3. Remove the system microcomputer P.C. board (Refer to "Method of removing the system microcomputer P.C. board").
4. Remove the rear panel assembly (Refer to "Method of removing the rear panel assembly").
5. From right above the body, remove the four screws ⑨ retaining the CD changer mechanism assembly (Refer to Fig. 7-11).
6. While putting the CD changer mechanism assembly on its left side (viewed from the rear panel side), the # 5 PIN connector outgoing from FW501 on the CD amplifier P.C. board should be removed from the connector CNA32 on the power amplifier P.C. board.
7. Remove the CD changer mechanism body from the body.

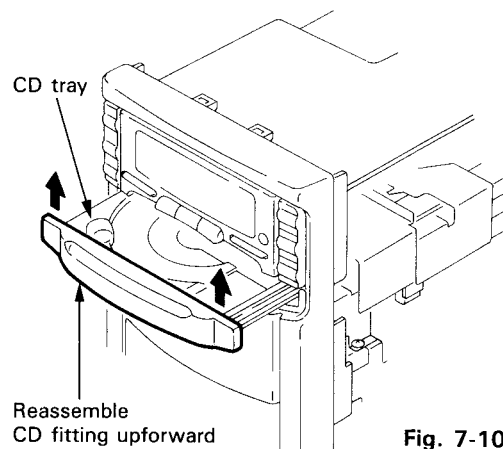


Fig. 7-10

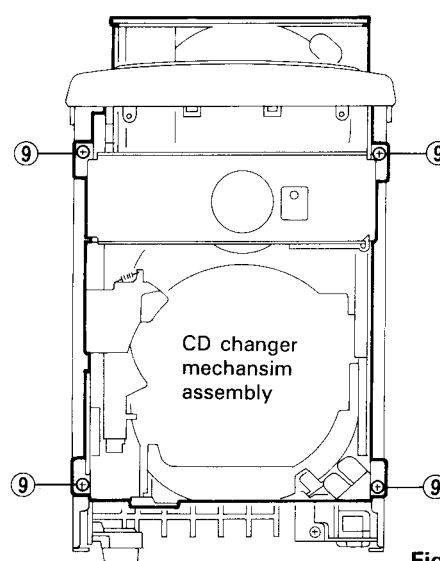


Fig. 7-11

■ Method of removing the CD amplifier and CD changer control P.C. boards

(Refer to Fig. 7-12)

1. Remove the top cover (Refer to "Method of removing the top cover").
2. Remove the system microcomputer P.C. board (Refer to "Method of removing the system microcomputer P.C. board").
3. Remove the rear panel assembly (Refer to "Method of removing the rear panel assembly").
4. Remove the CD changer mechanism assembly (Refer to "Method of removing the CD changer mechanism assembly").
5. After turning over the CD changer mechanism assembly, remove the three screws ⑩ retaining the CD amplifier P.C. board.
6. From the connector CN502 on the CD amplifier P.C. board, remove the # 6 PIN connector outgoing from the spindle/feed motor P.C. board.
7. From the connector CN501 on the CD amplifier P.C. board, remove the wire card outgoing from the optical pickup unit P001.

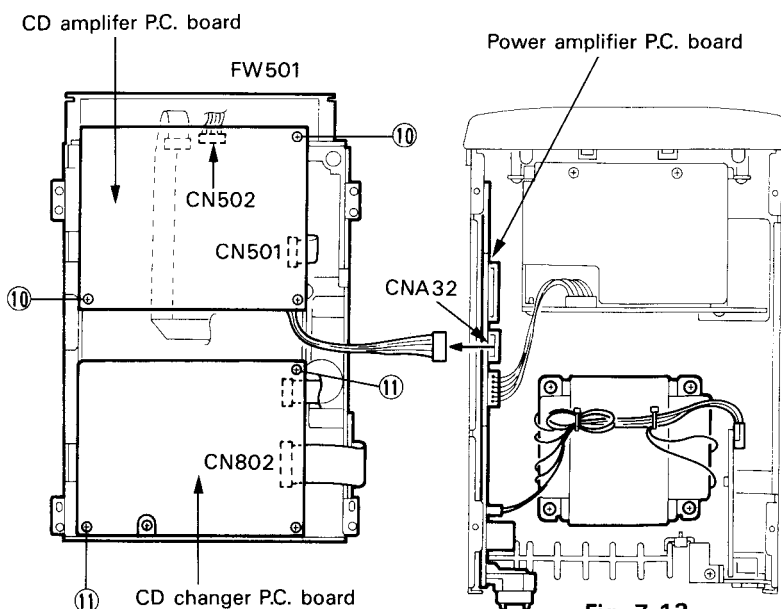


Fig. 7-12

8. Remove the three screws ⑪ retaining the CD changer control P.C. board.
9. From the connector CN802 on the CD changer control P.C. board, remove the wire card outgoing from the signal relay P.C. board attached to the CD changer mechanism.

■ Method of removing the front panel assembly (Refer to Figs. 7-13 ~ 7-14)

1. Remove the CD fitting (Refer to "Method of removing the CD changer mechanism assembly").
2. Remove the top cover (Refer to "Method of removing the top cover").
3. Remove the system microcomputer P.C. board (Refer to "Method of removing the system microcomputer P.C. board").
4. Remove the rear panel assembly (Refer to "Method of removing the rear panel assembly").
5. Remove the CD changer mechanism assembly (Refer to Item 2 and subsequent paragraphs of "Method of removing the CD changer mechanism assembly").
6. Remove the four conical screws (12) retaining both sides of the front panel assembly (Refer to Fig. 7-13).
7. With a minus screws driver, remove the four engagements (a) retaining both sides of the front panel assembly.
8. From the connector CNA34 on the power amplifier P.C. board, remove the #7 PIN connector outgoing from W341 on the pre-amplifier P.C. board.

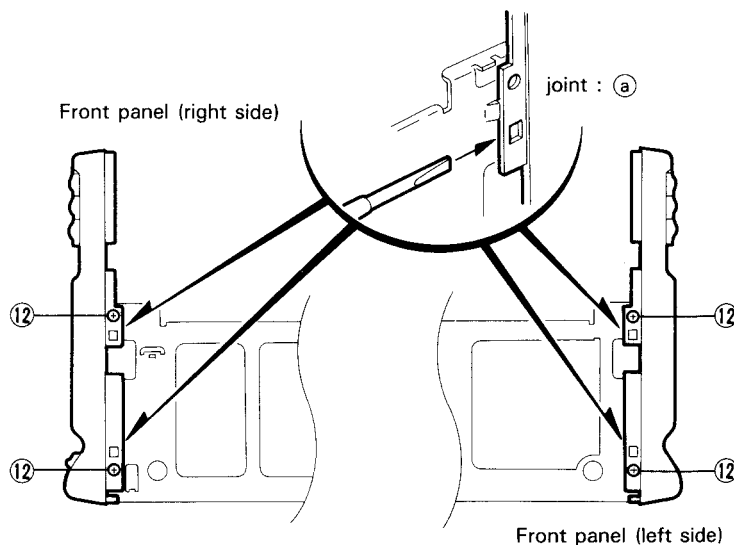


Fig. 7-13

■ Method of removing the power amplifier P.C. board (Refer to Fig. 7-14)

1. Remove the CD fitting (Refer to "Method of removing the CD changer mechanism assembly").
2. Remove the top cover (Refer to "Method of removing the top cover").
3. Remove the system microcomputer P.C. board (Refer to "Method of removing the system microcomputer P.C. board").
4. Remove the rear panel assembly (Refer to "Method of removing the rear panel assembly").
5. Remove the CD changer mechanism assembly (Refer to Item 2 and subsequent paragraphs of "Method of removing the CD changer mechanism assembly").
6. Remove the front panel assembly (Refer to "Method of removing the front panel assembly").
7. Remove the one screw (13) retaining the heat sink bracket on the power amplifier P.C. board (Refer to Fig. 7-14).
8. Remove the two wire treating clamps outgoing from W903 on the power transformer and power amplifier P.C. board (Refer to Fig. 7-14).
9. From the connector CN903 on the power supply P.C. board, remove the #4 PIN connector outgoing from W903 on the power amplifier P.C. board (Refer to Fig. 7-14).

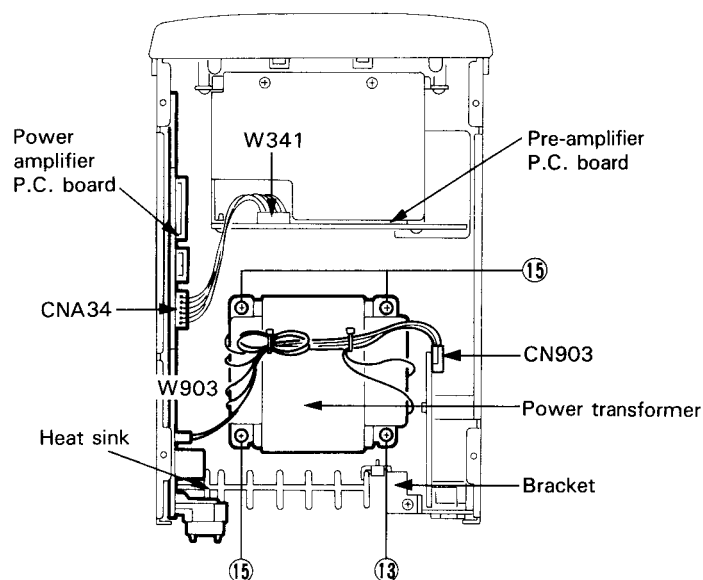


Fig. 7-14

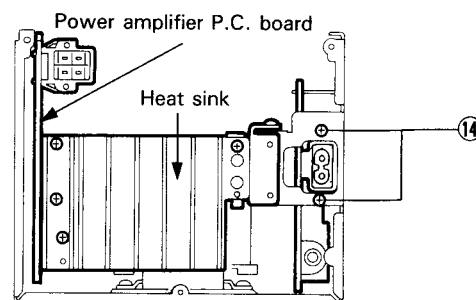


Fig. 7-15

■ **Method of removing the power transformer and power supply P.C. board (Refer to Figs. 7-14 and 7-15)**

1. Refer to "Method of removing the power amplifier P.C. board" on Page 32 above.
2. Remove the four screws (15) retaining the power transformer (Refer to Fig. 7-14).
3. Remove the two screws (14) retaining the power supply P.C. board (Refer to Fig. 7-15).

■ **Method of removing the CD operation switch P.C. board, CD changer control switch P.C. board and so forth (Refer to Fig. 7-16).**

1. Remove the CD fitting (Refer to Item 1 of "Method of removing the CD changer mechanism assembly").
2. Remove the top cover (Refer to "Method of removing the top cover").
3. Remove the system microcomputer P.C. board (Refer to "Method of removing the system microcomputer P.C. board").
4. Remove the rear panel assembly (Refer to "Method of removing the rear panel assembly").
5. Remove the CD changer mechanism assembly (Refer to Item 2 and subsequent paragraphs of "Method of removing the CD changer mechanism assembly").
6. Remove the front panel assembly (Refer to "Method of removing the front panel assembly").
7. From the front panel assembly, remove the six screws (17) retaining the CD operation switch P.C. board.
8. Remove the six screws (18) retaining the CD changer control switch P.C. board.

■ **Method of removing the cassette mechanism assembly and door holder assembly (Refer to Fig. 7-16).**

1. Refer to the procedures in Item 1 through Item 6 above.
2. Remove the four screws (19) retaining the cassette mechanism and door holder, and dismount these mechanism and assembly from the front panel assembly.
3. From the front panel, remove the three screws (31) retaining the door holder assembly.

■ **Method of removing the tape deck operation switch P.C. board (Refer to Figs. 7-17 and 7-18)**

1. Remove the cassette mechanism assembly (Refer to "Method of removing the cassette mechanism assembly").
2. By pressing the [EJECT] button, open the cassette door (Refer to Fig. 7-17).
3. By moving the cassette lid in the direction of arrow, remove the cassette from the cassette holder.
4. Remove the three screws (20) retaining the tape deck operation switch P.C. board (Refer to Fig. 7-18).

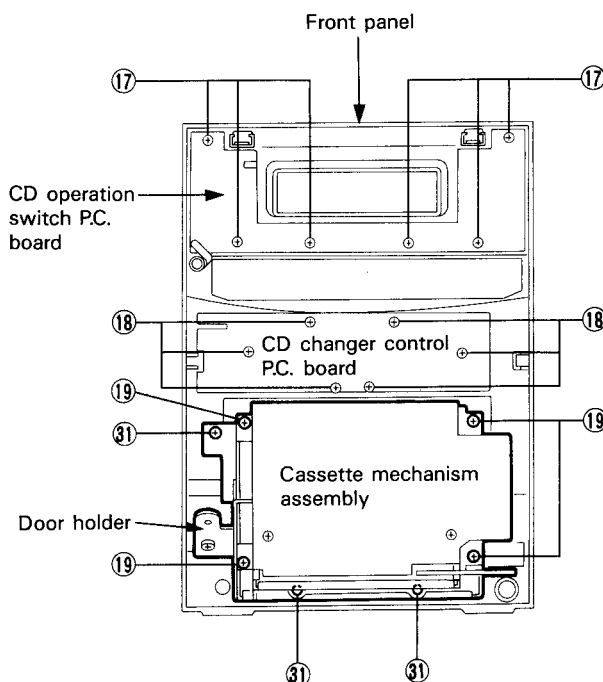


Fig. 7-16

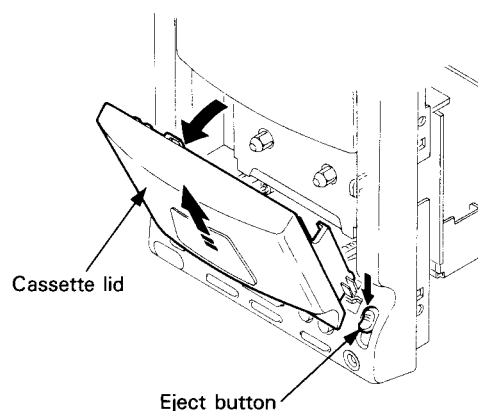


Fig. 7-17

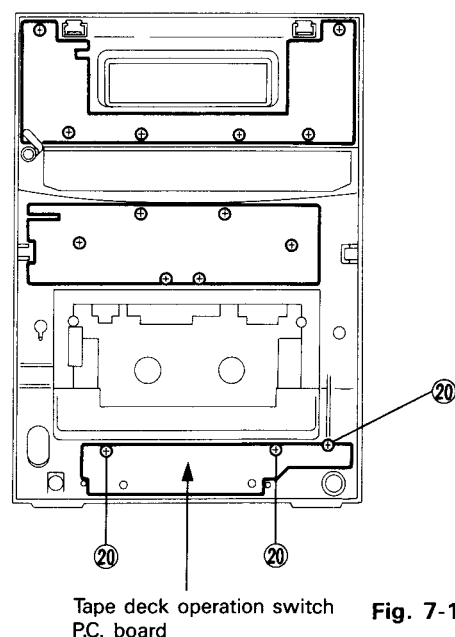


Fig. 7-18

■ **Method of removing the cassette mechanism control P.C. board and Dolby amplifier P.C. board (Refer to Fig. 7-19)**

1. Remove the CD fitting (Refer to Item 1 of "Method of removing the CD changer mechanism assembly").
2. Remove the top cover (Refer to "Method of removing the top cover").
3. Remove the system microcomputer P.C. board (Refer to "Method of removing the system microcomputer P.C. board").
4. Remove the rear panel assembly (Refer to "Method of removing the rear panel assembly").
5. Remove the CD changer mechanism assembly (Refer to Item 2 and subsequent paragraphs of "Method of removing the CD changer mechanism assembly").
6. Remove the front panel assembly (Refer to "Method of removing the front panel assembly").
7. Remove the cassette mechanism assembly and door holder assembly (Refer to "Method of removing the cassette mechanism assembly and door holder assembly").
8. From the cassette mechanism assembly, remove the four screws (21 × 2 and 22 × 2) retaining the cassette mechanism control P.C. board and Dolby amplifier P.C. board.
9. After respectively removing the connectors CN342 and CN343 on the Dolby amplifier P.C. board, CN322 on the bias OSC P.C. board and CN851 on the cassette mechanism control P.C. board, dismount the Dolby amplifier P.C. board.

10. While raising the cassette mechanism control P.C. board, remove the P.C. board respectively from the connectors CN852, CN853 and CN855 on the cassette mechanism control P.C. board, connector CN2 on the reel motor P.C. board, connector CN1 on the leaf switch P.C. board and connector CN302 on the preamplifier P.C. board.

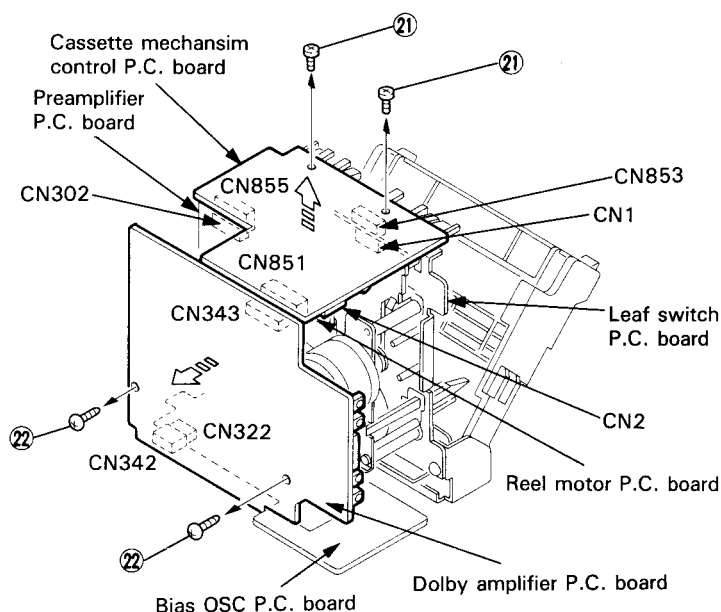


Fig. 7-19

■ **Method of removing the preamplifier P.C. board and bias OSC P.C. board (Refer to Fig. 7-20)**

1. Refer to the procedures in Item 1 through Item 10 on page 33.
2. From the connector CN301 on the preamplifier P.C. board, remove the flexible print card outgoing from the recording and playing head.
3. From the cassette mechanism assembly, remove the one screw (23) retaining the preamplifier P.C. board.
4. After moving the preamplifier P.C. board, remove the protruding portion (b) of the mechanism from the notched groove on the P.C. board.
5. From the bracket, remove the two screws (24) retaining the preamplifier P.C. board.
6. Remove the connectors CN303 on the preamplifier P.C. board and CN321 on the bias OSC P.C. board.
7. From the bracket, remove the one screws (25) retaining the bias OSC P.C. board.

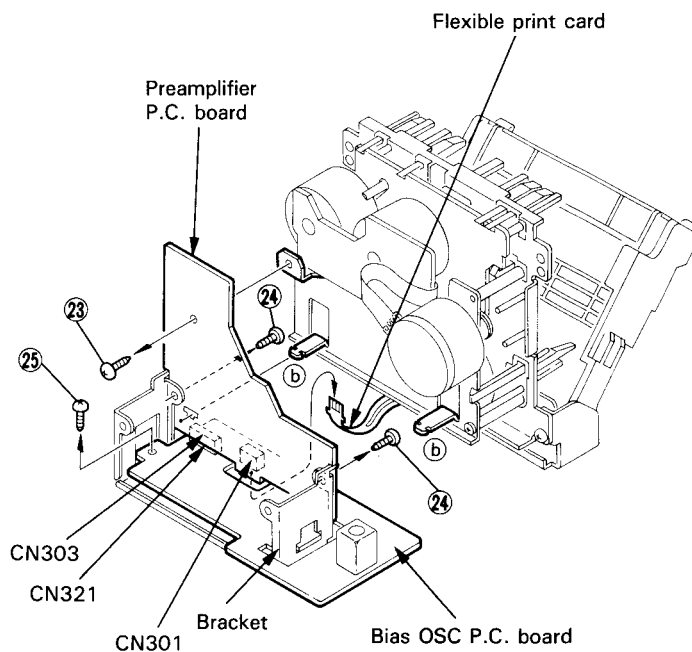


Fig. 7-20

■ Method of removing the clamber base assembly (Refer to Fig. 7-21)

1. Remove the CD fitting (Refer to Item 1 of "Method of removing the CD changer mechanism assembly").
2. Remove the top cover (Refer to "Method of removing the top cover").
3. Remove the system microcomputer P.C. board (Refer to "Method of removing the system microcomputer P.C. board").
4. Remove the rear panel assembly (Refer to "Method of removing the rear panel assembly").
5. Remove the CD changer mechanism assembly (Refer to Item 2 and subsequent paragraphs of "Method of removing the CD changer mechanism assembly").
6. From the CD changer mechanism assembly, remove the two screws (26) retaining the clamber base assembly.

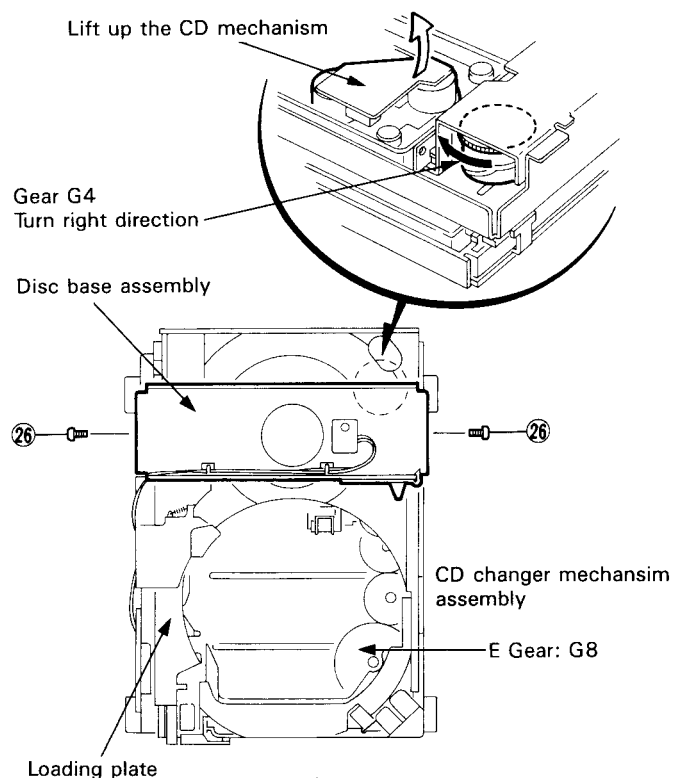


Fig. 7-21

■ Forced ejection method of compact disc

1. Remove the top cover. (Refer to "Method of removing the top cover").
2. Compact disc ejection method.
 - 2-1. Method of ejecting the compact disc on the disc base ass'y (Refer to Fig. 7-21).
 - (1) Turn the gear G4 clockwise and lower the CD mechanism.
 - (2) When the loading plate is located at the rearmost position, move the plate to the front panel side (At this time, the compact disc will be set on the disc base ass'y by the loading plate).
 - (3) By moving the disc base ass'y to the front panel side, take out the compact disc.
 - 2-2. Method of ejecting the compact disc left on the disc case ass'y (Refer to Fig. 7-22)
 - (1) Move the loading plate to the rearmost position.
 - (2) Turn the E gear G8 counterclockwise, and move up the disc case ass'y into which any compact disc has been loaded.
 - (3) While turning the E gear G8, align the first compact disc (the lowermost compact disc on the disc case ass'y) to its loading position to the loading plate.
 - (4) After the loading plate onto which the first compact disc is loaded has been moved to the front panel side, pull out the disc base ass'y from the front panel side and take out the compact disc.
 - (5) Eject the second through sixth compact discs as well similarly according to the procedures in Items 1 through 4. Whenever the second and subsequent discs are to be ejected, however, align the compact disc to be ejected to the height of the loading plate.

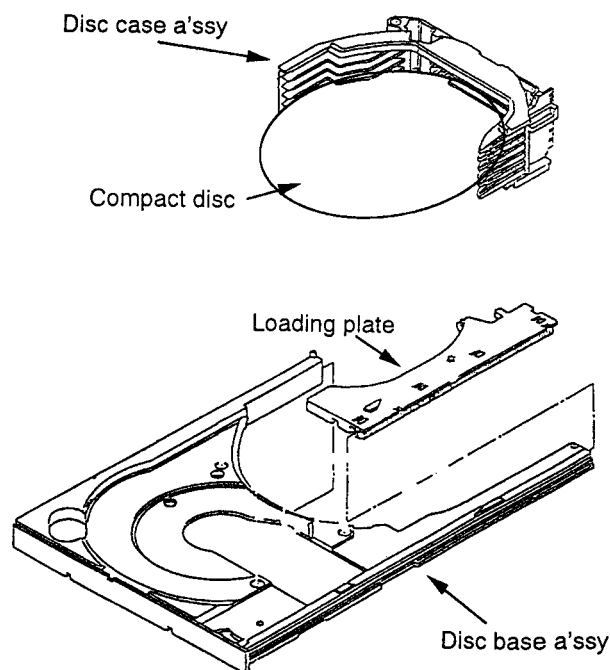


Fig. 7-22

■ **Method of removing the disc base assembly**
(Refer to Figs. 7-23 and 24)

1. Refer to the procedures in Item 1 through Item 5 in the previous paragraph.
2. Remove the clamper assembly (Refer to "Method of removing the clamper assembly").
3. After turning over the CD changer mechanism assembly, turn the gear G4 manually in the direction of arrow as shown in Fig. 7-23, and raise the CD mechanism assembly.
4. Draw out the disc base assembly to the position the base is hooked.
5. After turning over the CD changer mechanism assembly, move the point ③ engaging the cover plate A (S) and disc base assembly in the direction of arrow and disengage the above plate and assembly.
6. After turning the CD changer mechanism assembly back to the normal position, remove the one screw ②7 retaining the disc base bracket visible from notched window of the disc base assembly (Refer to Fig. 7-24).
7. Draw out the disc base assembly toward the front side until the assembly is hooked.
8. While lifting the tip of the disc base assembly, move the blue guide stopper slide switch in the direction of arrow, and remove the switch from the disc base assembly (Refer to Fig. 7-25).
9. Draw out the disc base assembly further toward the front side until it is hooked by the guide.
10. When the guide stopper switch and guide have been removed by lifting the tip of disc base assembly, then the disc base assembly will be dismounted.

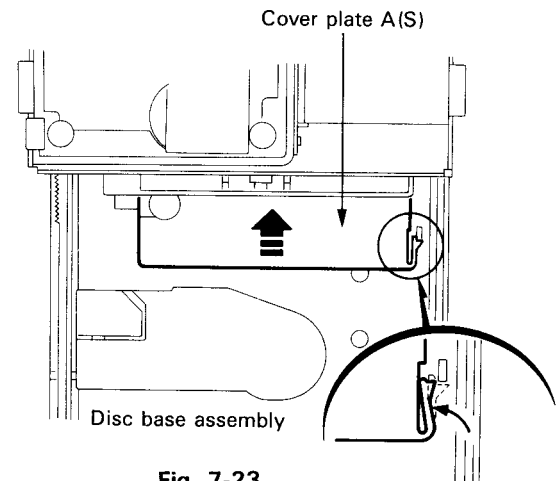


Fig. 7-23

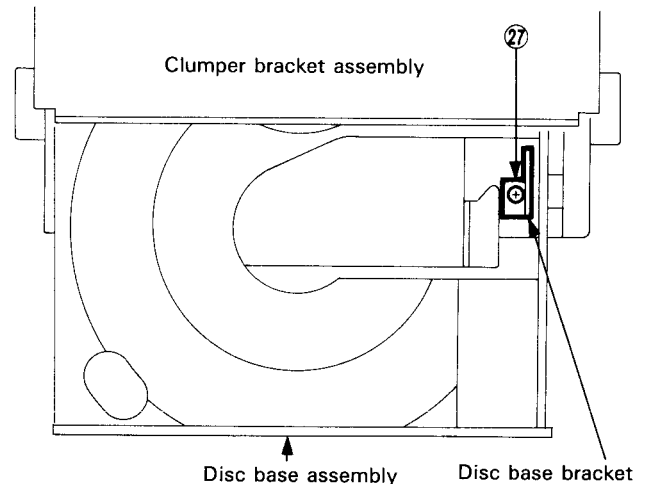


Fig. 7-24

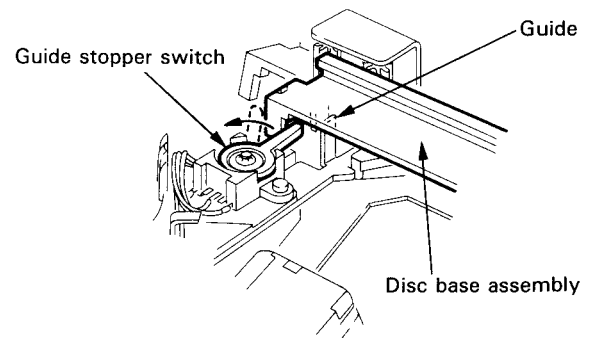


Fig. 7-25

■ **Method of removing the CD mechanism**
(Refer to Fig. 7-26)

1. Remove the CD fitting (Refer to Item 1 of "Method of removing the CD changer mechanism assembly").
2. Remove the top cover (Refer to "Method of removing the top cover").
3. Remove the system microcomputer P.C. board (Refer to "Method of removing the system microcomputer P.C. board").
4. Remove the rear panel assembly (Refer to "Method of removing the rear panel assembly").
5. Remove the CD changer mechanism assembly (Refer to Item 2 and subsequent paragraphs of "Method of removing the CD changer mechanism assembly").
6. Remove the CD amplifier and CD changer control P.C. board (Refer to "Methods of removing the CD amplifier and CD changer control P.C. board").
7. From the CD changer mechanism assembly, remove the two screws (28) retaining the P.C. board holder bracket (Refer to Fig. 7-26).
8. From the CD changer mechanism assembly, remove the two screws (29) retaining the CD mechanism (Refer to Fig. 7-26 and 7-27).

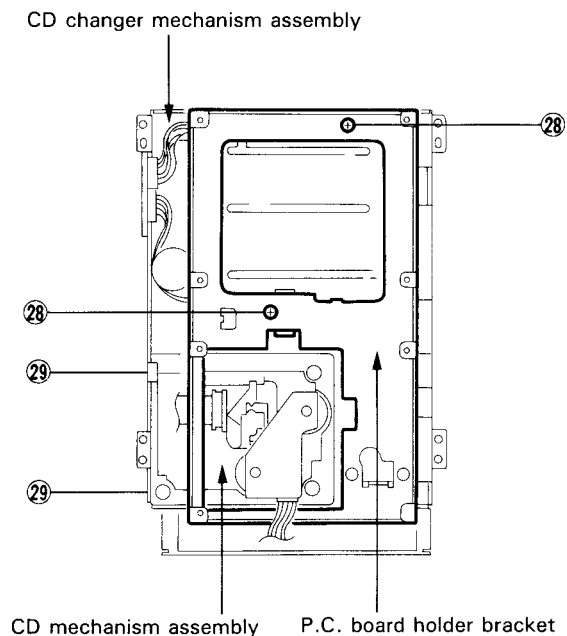


Fig. 7-26

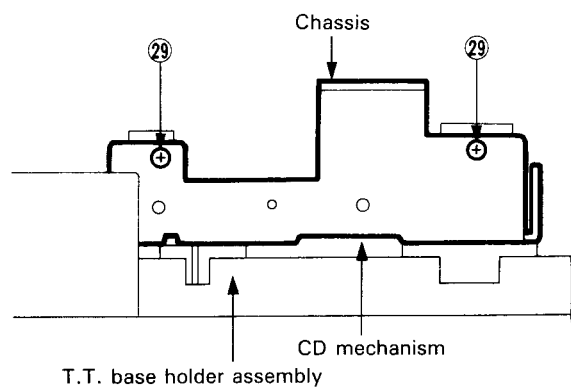
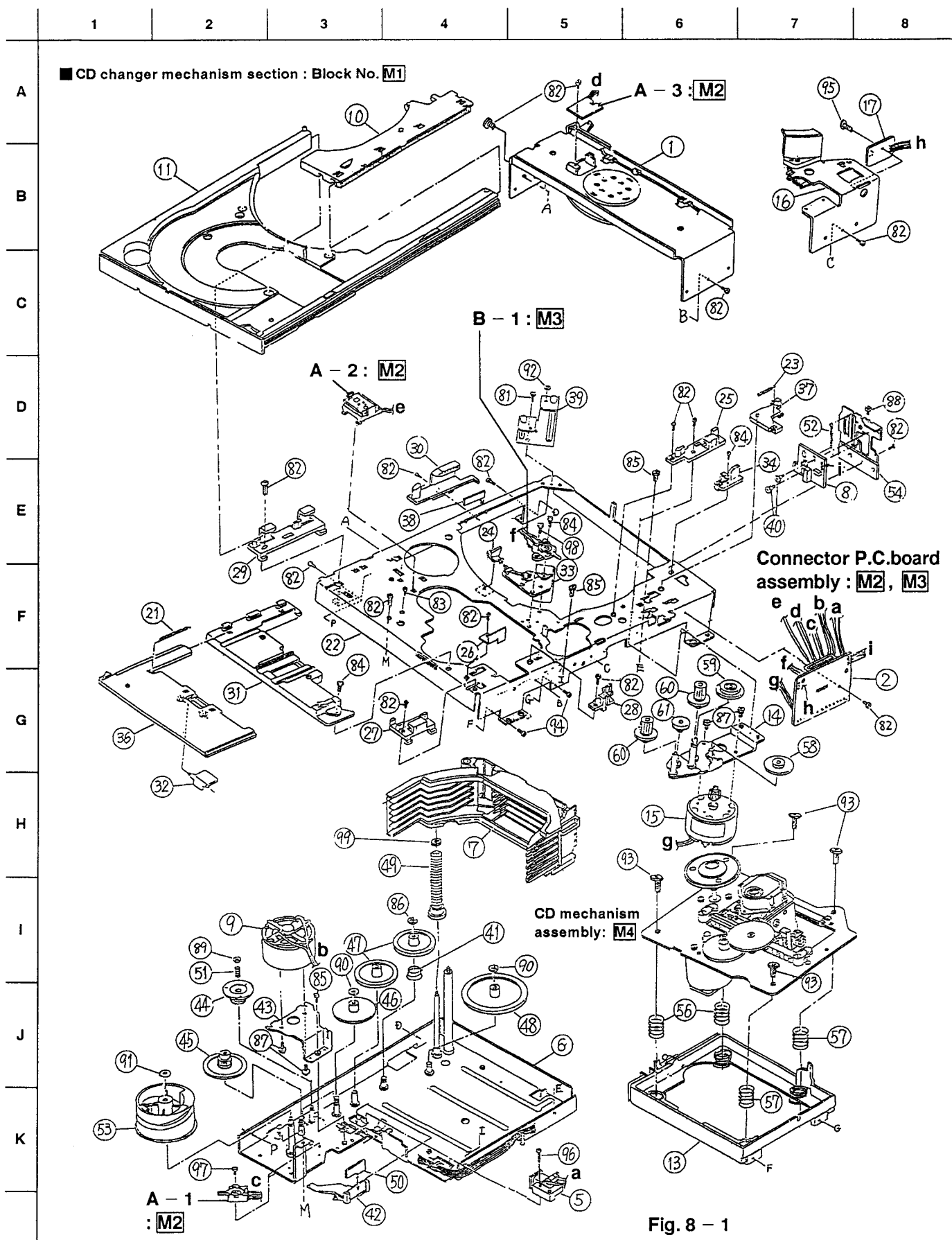


Fig. 7-27

8. Analytic Drawing and Parts List



■ CD Changer mechanism assembly parts list

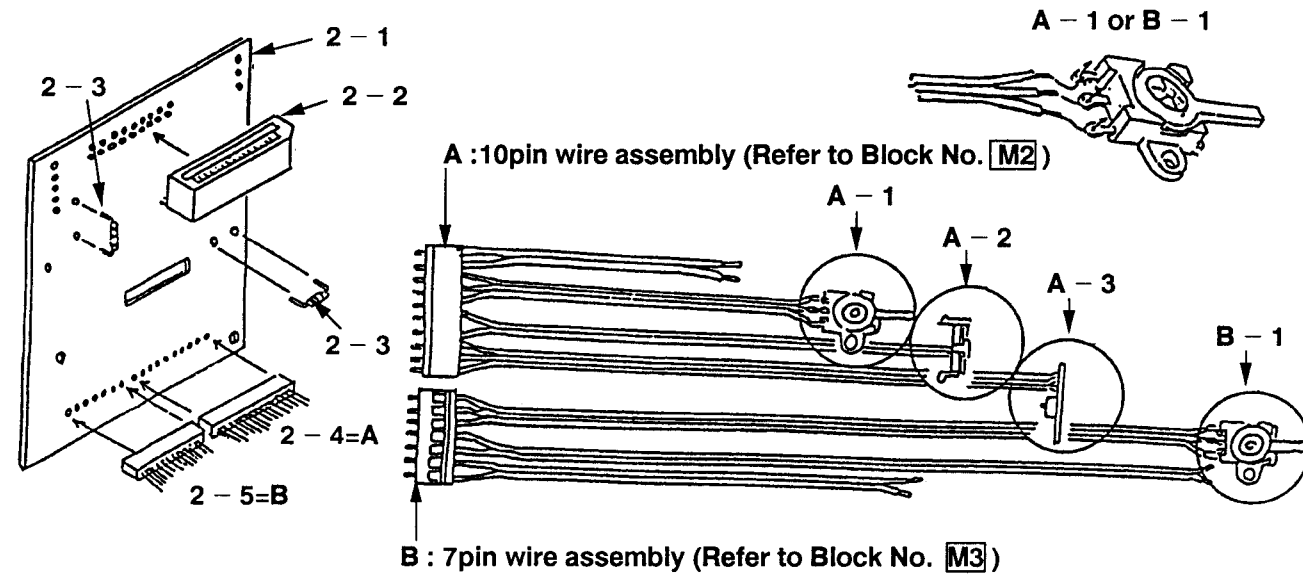
BLOCK NO. M1MM

| △ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|---|-------|------------|-----------------|--------------|-----|--------|-----|
| | 1 | 300701307T | CLUMPER BKT ASY | | 1 | | |
| | 2 | ***** | CONNECTOR PCB | | 1 | | |
| | 2- 1 | 30070119T | CONNECTOR BOARD | | 1 | | |
| | 2- 2 | 681402154T | CONNECTOR | | 1 | | |
| | 2- 3 | 68190503T | RESISTOR | | 2 | | |
| | 2- 4 | 30071016T | 10PIN WIRE ASSY | = A BLOCK:M2 | 1 | | |
| | 2- 5 | 30071015T | 7PIN WIRE ASSY | = B BLOCK:M3 | 1 | | |
| | 5 | 300702303T | COIL ASSY | | 1 | | |
| | 6 | 300702505T | GEAR CHASSIS | ASSY | 1 | | |
| | 7 | 300702305T | DISC CASE ASSY | | 1 | | |
| | 8 | ***** | E.SENSOR PCB | ASSY | 1 | | |
| | 8- 1 | 30070250T | E.SENSOR PCB(W) | | 1 | | |
| | 8- 2 | 68190801T | PHO.INTERAPTOR | | 1 | | |
| | 8- 3 | 64010401T | PUSH SWITCH | | 1 | | |
| | 8- 4 | 64010402T | PUSH SWITCH | | 1 | | |
| | 8- 5 | 30071017T | RIBBON WIRE | | 1 | | |
| | 9 | 300702302T | E.MOTOR ASSY | | 1 | | |
| | 10 | 300706301T | LAODING PLATE | ASSY | 1 | | |
| | 11 | 300706304T | DISC BASE ASSY | | 1 | | |
| | 13 | ***** | T.T BASE HOLDER | ASSY | 1 | | |
| | 13- 1 | 30070713T | HOLDER | FLOAT RUBBER | 4 | | |
| | 13- 2 | 30070741T | RUBBER(S) B | FLOATING | 4 | | |
| | 13- 3 | 30070745T | HOLDER(S) | T.T.BASE | 1 | | |
| | 13- 4 | 30070750T | FORECEMENT | T.T.REIN | 1 | | |
| | 13- 5 | 9P0720531T | TAPPING SCREW | M2X3.5 | 4 | | |
| | 14 | 300711501T | L.GEAR BKT ASSY | | 1 | | |
| | 15 | 300711301T | L MOTOR ASSY | | 1 | | |
| | 16 | 300711303T | GUIDE PLATE ASY | | 1 | | |
| | 17 | ***** | L SENSOR PCB | ASSY | 1 | | |
| | 17- 1 | 30071116T | L.SENSOR PCB(W) | | 1 | | |
| | 17- 2 | 68190801T | PHO.INTERAPTER | | 1 | | |
| | 17- 3 | 30071018T | RIBBON WIRE | | 1 | | |
| | 21 | 30070117T | SPRING | COVER PLATE | 1 | | |
| | 22 | 30070142T | CHASSIS | | 1 | | |
| | 23 | 30070144T | SPRING | LOCK LEVER | 1 | | |
| | 24 | 30070165T | STOPPER | | 1 | | |
| | 25 | 30070148T | GUIDE R3(S) | | 1 | | |
| | 26 | 30070149T | DISC BASE BKT | | 1 | | |
| | 27 | 30070150T | GUIDE R1(S) | | 1 | | |
| | 28 | 30070151T | GUIDE R2(S) | | 1 | | |
| | 29 | 30070153T | GUIDE L1(S) | | 1 | | |
| | 30 | 30070154T | GUIDE L2(S) | | 1 | | |
| | 31 | 30070155T | COVER PLATE B | (S) | 1 | | |
| | 32 | 30070156T | DISC STOPPER(S) | | 1 | | |
| | 33 | 30070157T | GUIDE STOPPER A | (S) | 1 | | |
| | 34 | 30070158T | WIRE CLUMPER | | 1 | | |
| | 36 | 30070162T | COVER PLATE A | (S) | 1 | | |
| | 37 | 30070163T | LOCK LEVER(S) | | 1 | | |
| | 38 | 30070265T | CUSHION | | 1 | | |
| | 39 | 30070240T | WORM GEAR BKT | | 1 | | |
| | 40 | 19001204T | COLLAR SCREW | | 2 | | |
| | 41 | 19210707T | SPRING | RF CLUTCH | 1 | | |
| | 42 | 30070202T | E CONTROL LEVER | | 1 | | |
| | 43 | 30070203T | E MOTOR BKT | | 1 | | |

BLOCK NO. M1MM

| REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|------|------------|-----------------|-------------|-----|--------|-----|
| 44 | 30070214T | E GEAR G2 | | 1 | | |
| 45 | 30070215T | E GEAR G3 | | 1 | | |
| 46 | 30070217T | E GEAR G5 | | 1 | | |
| 47 | 30070218T | E GEAR G6 | | 2 | | |
| 48 | 30070220T | E GEAR G8 | | 1 | | |
| 49 | 30070221T | E GEAR G9 | | 1 | | |
| 50 | 30070228T | E CONTROL PLATE | | 1 | | |
| 51 | 30070232T | SPRING | E GEAR G2 | 1 | | |
| 52 | 30070233T | SPRING | E SENSOR | 1 | | |
| 53 | 30070259T | E GEAR G4(S) | | 1 | | |
| 54 | 30070266T | E SENSOR BKT(S) | | 1 | | |
| 56 | 30070755T | SPRING A | FLOATING | 2 | | |
| 57 | 30070756T | SPRING B | FLOATING | 2 | | |
| 58 | 30071103T | L GEAR B | | 1 | | |
| 59 | 30071104T | L GEAR C | | 1 | | |
| 60 | 30071105T | L GEAR D | | 2 | | |
| 61 | 30071106T | L GEAR E | | 1 | | |
| 81 | 9B0320041T | C TAPPING SCREW | M2X4 | 1 | | |
| 82 | 9P0420041T | TAPPING SCREW | M2X4 | 18 | | |
| 83 | 9P0420051T | TAPPING SCREW | M2X5 | 1 | | |
| 84 | 9P0420061T | TAPPING SCREW | M2X6 | 4 | | |
| 85 | 9C2020251T | SCREW | M2X2.5 | 3 | | |
| 86 | 9E0100252T | E RING | | 1 | | |
| 87 | 9P0226041T | SCREW | M2.6X4 | 4 | | |
| 88 | 9P1720061T | SCREW | M2X6 | 1 | | |
| 89 | 9W0250080T | WASHER | 1.85X5X0.5 | 1 | | |
| 90 | 9W0250110T | WASHER | 2.6X6X0.5 | 2 | | |
| 91 | 9W0250130T | WASHER | 3X6X0.5 | 1 | | |
| 92 | 9W0650220T | WASHER | 2.6X4.5X0.5 | 1 | | |
| 93 | 9B1220041T | TAPPING SCREW | M2X4 | 4 | | |
| 94 | 9P0720061T | TAPPING SCREW | M2X6 | 3 | | |
| 95 | 9C0320353T | CAMERA SCREW | M2X3.5 | 1 | | |
| 96 | 9P0420081T | TAPPING SCREW | M2X8 | 2 | | |
| 97 | 9C1920301T | TSS 2X3 | | 1 | | |
| 98 | 9P0426051T | TAPPING SCREW | M2.6X5 | 1 | | |
| 99 | 9W0640070T | WASHER | 2.1X4X0.4 | 1 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

● Connector P.C.board assembly : REF.NO. 2

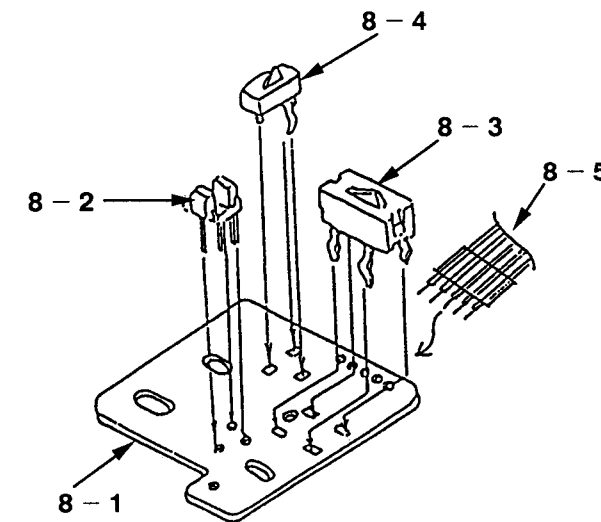


■ 2-5 = B : 7pin wire assembly parts list

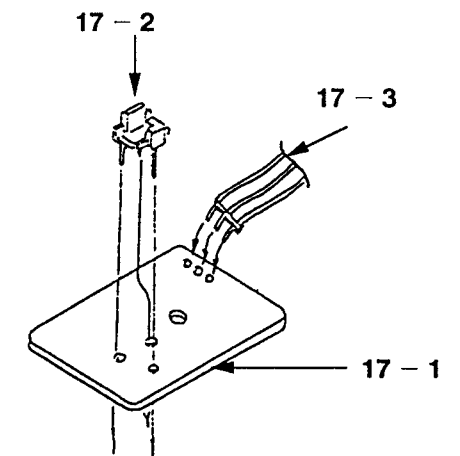
BLOCK NO. M3MM

| REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|------|-----------|----------------|---------------|-----|--------|-----|
| B | 30071015T | 7PIN WIRE ASSY | =2-5 BLOCK:M1 | 1 | | |
| B-1 | 64020801T | SLIDE SWITCH | | 1 | | |

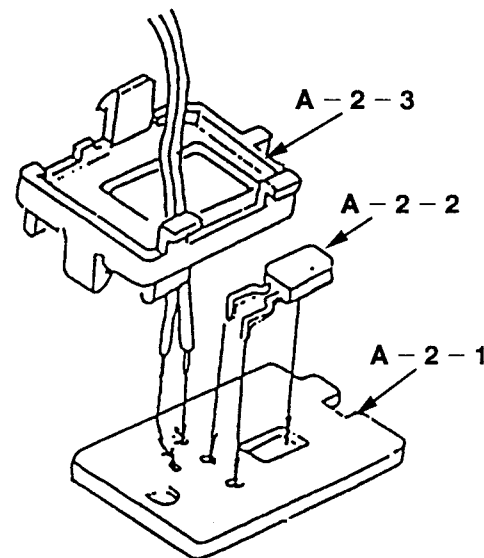
● E. Sensor P.C. board assembly
REF.No. 8



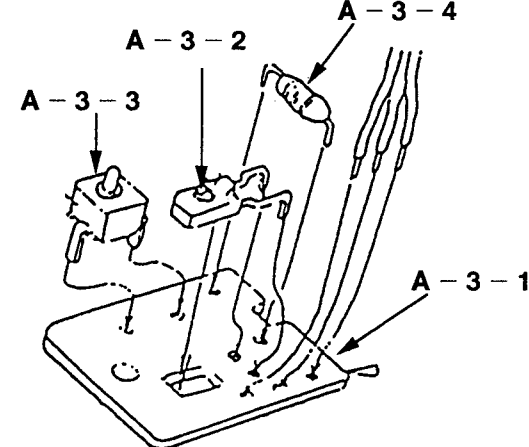
● L. sensor P.C. board assembly : REF.NO. 17



● Disc sensor P.C.board assembly
: REF.NO. A-2



● Disc sensor P.C.board assembly
REF.NO. A-3

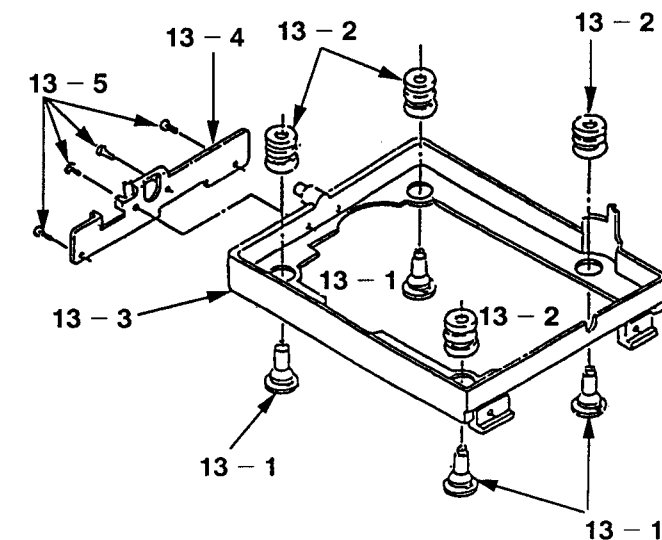


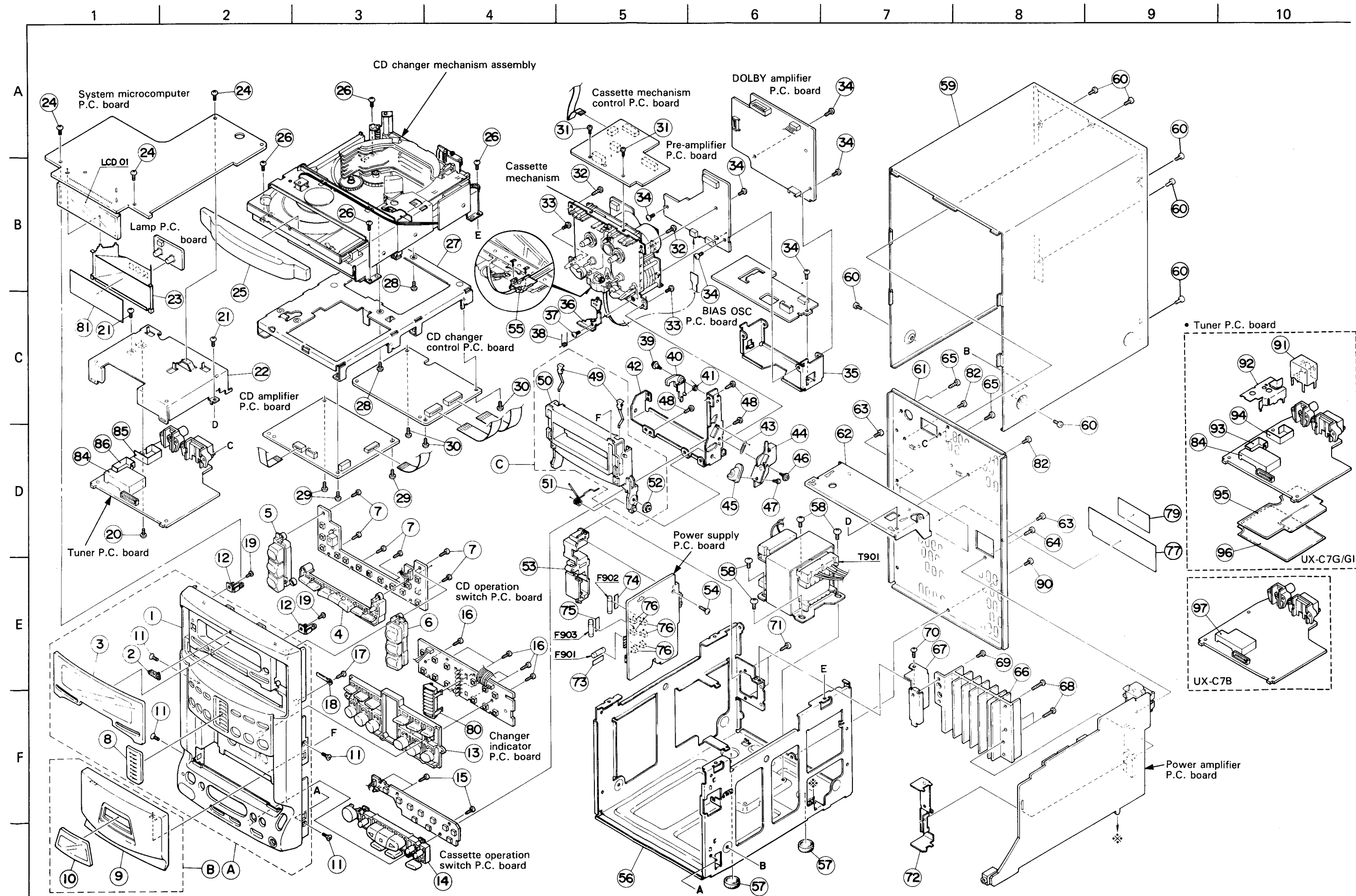
■ 2-4 = A : 10pin wire assembly parts list

BLOCK NO. M2MM

| REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|-------|-----------|-----------------|---------------|-----|--------|-----|
| A | 30071016T | 10PIN WIRE ASSY | =2-4 BLOCK:M1 | 1 | | |
| A-1 | 64020801T | SLIDE SWITCH | | 1 | | |
| A-2 | ***** | DISC SENSOR PCB | A:ASS'Y | 1 | | |
| A-2-1 | ***** | DISC SENSOR PCB | "A" | 1 | | |
| A-2-2 | 30070127T | PHO.TRANSISTOR | | 1 | | |
| A-2-3 | 30070122T | BRACKET | DISC SENSOR | 1 | | |
| A-3 | ***** | DISC SENSOR PCB | B:ASS'Y | 1 | | |
| A-3-1 | 30070125T | DISC SENSOR PCB | "B" | 1 | | |
| A-3-2 | 30070128T | PHOTO DIODE | | 1 | | |
| A-3-3 | 64020412T | SWITCH | | 1 | | |
| A-3-4 | 68190503T | RESISTOR | | 1 | | |

● T.T. base holder assembly : REF.NO. 13



■ Enclosure Assembly Section: Block No. **M4**

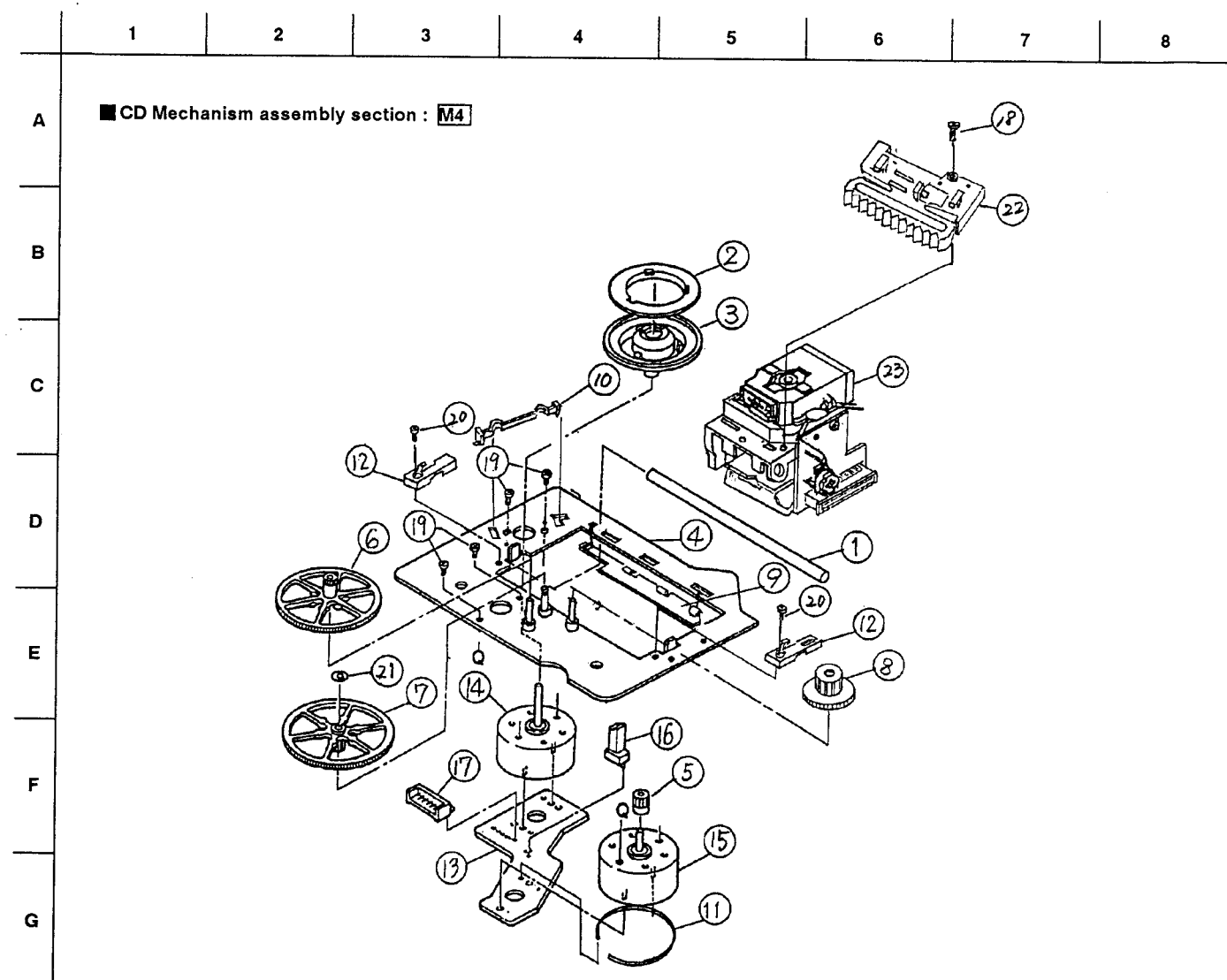
■ Enclosure Assembly Parts List

BLOCK NO. M4MM

| △ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|---|------|-------------|-----------------|-----------------|-----|--------|-----|
| | A | ZCUXC7K-FB | FRONT CABINET | REF.1,2,3,8 | 1 | | |
| | | ZCUXC7K-FW | FRONT CABINET | REF.1,2,3,8 | 1 | | |
| | B | ZCUXC7K-CH | CASSETTE HOLDER | REF.49,50,52 | 1 | | |
| | | ZCUXC7K-CHW | CASSETTE HOLDER | REF.49,50,52 | 1 | | |
| | C | ZCUXC7K-CLW | CASSETTE LID | REF.9,10 | 1 | | |
| | | ZCUXC7K-CLB | CASSETTE LID | REF.9,10 | 1 | | |
| | 1 | VJG1275-012 | FRONT PANEL | WHITE | 1 | | |
| | | VJG1275-002 | FRONT PANEL | | 1 | | |
| | 2 | E406971-222 | JVC MARK | WHITE | 1 | | |
| | | E406971-221 | JVC MARK | | 1 | | |
| | 3 | VJK3637-012 | LCD LENS | WHITE | 1 | | |
| | | VJK3637-002 | LCD LENS | | 1 | | |
| | 4 | VXP3645-011 | PUSH KNOB(A) | WHITE | 1 | | |
| | | VXP3645-001 | PUSH KNOB(A) | | 1 | | |
| | 5 | VXP5231-00C | BUTTON ASSY(L) | WHITE | 1 | | |
| | | VXP5231-00A | BUTTON ASSY(L) | | 1 | | |
| | 6 | VXP5235-00C | BUTTON ASSY(R) | WHITE | 1 | | |
| | | VXP5235-00A | BUTTON ASSY(R) | | 1 | | |
| | 7 | SDSF2608Z | SCREW | KNOB/PWB | 6 | | |
| | 8 | VJK4421-001 | INDICATOR LENS | | 1 | | |
| | | VJK4421-011 | INDICATOR LENS | WHITE | 1 | | |
| | 9 | VJT2338-001 | DOOR COVER | | 1 | | |
| | | VJT2338-011 | DOOR COVER | WHITE | 1 | | |
| | 10 | VJT4212-001 | DOOR LENS | | 1 | | |
| | | VJT4212-011 | DOOR LENS | WHITE | 1 | | |
| | 11 | SSST3006Z | SCREW | FRONT+CHASSIS | 4 | | |
| | 12 | VYH7872-001 | PWB BKT(UCOM) | | 2 | | |
| | 13 | VXP3648-011 | PUSH KNOB(B) | WHITE | 1 | | |
| | | VXP3648-001 | PUSH KNOB(B) | | 1 | | |
| | 14 | VXP3649-001 | PUSH KNOB(C) | | 1 | | |
| | | VXP3649-011 | PUSH KNOB(C) | WHITE | 1 | | |
| | 15 | SDSF2608Z | SCREW | KNOB/PWB | 3 | | |
| | 16 | SDSF2608Z | SCREW | KNOB/LED | 6 | | |
| | 17 | SDSF2608Z | SCREW | | 1 | | |
| | 18 | VKZ4001-007 | WIRE CLAMP | | 1 | | |
| | 19 | SDSF2608Z | SCREW | PWB BKT | 2 | | |
| | 20 | SBST3006Z | SCREW | T.CHASSIS+T.PWB | 1 | | |
| | 21 | SBST3006Z | SCREW | T.BKT+CHASSIS | 2 | | |
| | 22 | VYH3823-001 | TUNER CHASSIS | | 1 | | |
| | 23 | VYH3825-002 | LAMP CASE | | 1 | | |
| | 24 | SBST3006Z | SCREW | CHG CTRL PWB | 3 | | |
| | 25 | VJT3361-011 | TRAY FITTING | WHITE | 1 | | |
| | | VJT3361-001 | TRAY FITTING | | 1 | | |
| | 26 | SBST3006Z | SCREW | CHG MECHA+CHASS | 4 | | |
| | 27 | VYH2285-003 | PWB BKT(CHG) | | 1 | | |
| | 28 | SBST3006Z | SCREW | P.BKT+CHG MECHA | 2 | | |
| | 29 | SBST3006Z | SCREW | CD AMP PWB | 3 | | |
| | 30 | SBST3006Z | SCREW | U-CON PWB+T.CHA | 1 | | |
| | | SBST3006Z | SCREW | U-CON PWB+BKT | 2 | | |
| | 31 | SDST2606Z | SCREW | MECHA CON PWB | 2 | | |
| | 32 | SBSF3010Z | SCREW | F.PANEL+C.MECHA | 2 | | |
| | 33 | SBST3006Z | SCREW | D.HOLDER+C.MECH | 2 | | |
| | 34 | SBST3006Z | SCREW | CASSETTE PWB | 6 | | |
| | 35 | VYH3819-001 | BRACKET | P.C.BOARD | 1 | | |
| | 36 | VKL7293-001 | EJECT SAFTY(R) | | 1 | | |
| | 37 | SBSF3010Z | SCREW | E.SAFTY+MECHA | 1 | | |
| | 38 | VKW5069-002 | TORSION SPRING | EJECT SAFTY | 1 | | |
| | 39 | VKZ4341-001 | SPECIAL SCREW | E.ARM+D.HOLDER | 1 | | |
| | 40 | VYH7347-001 | EJECT ARM | | 1 | | |
| | 41 | VKW4938-001 | TORTION SPRING | EJECT LEVER | 1 | | |
| | 42 | VYH3818-001 | DOOR HOLDER | | 1 | | |
| | 43 | VKW3002-274 | TENSION SPRING | EJECT LEVER | 1 | | |
| | 44 | VYH7873-001 | EJECT LEVER | | 1 | | |
| | 45 | VXQ4121-001 | EJECT KNOB | | 1 | | |
| | | VXQ4121-011 | EJECT KNOB | WHITE | 1 | | |

BLOCK NO. 14MM111

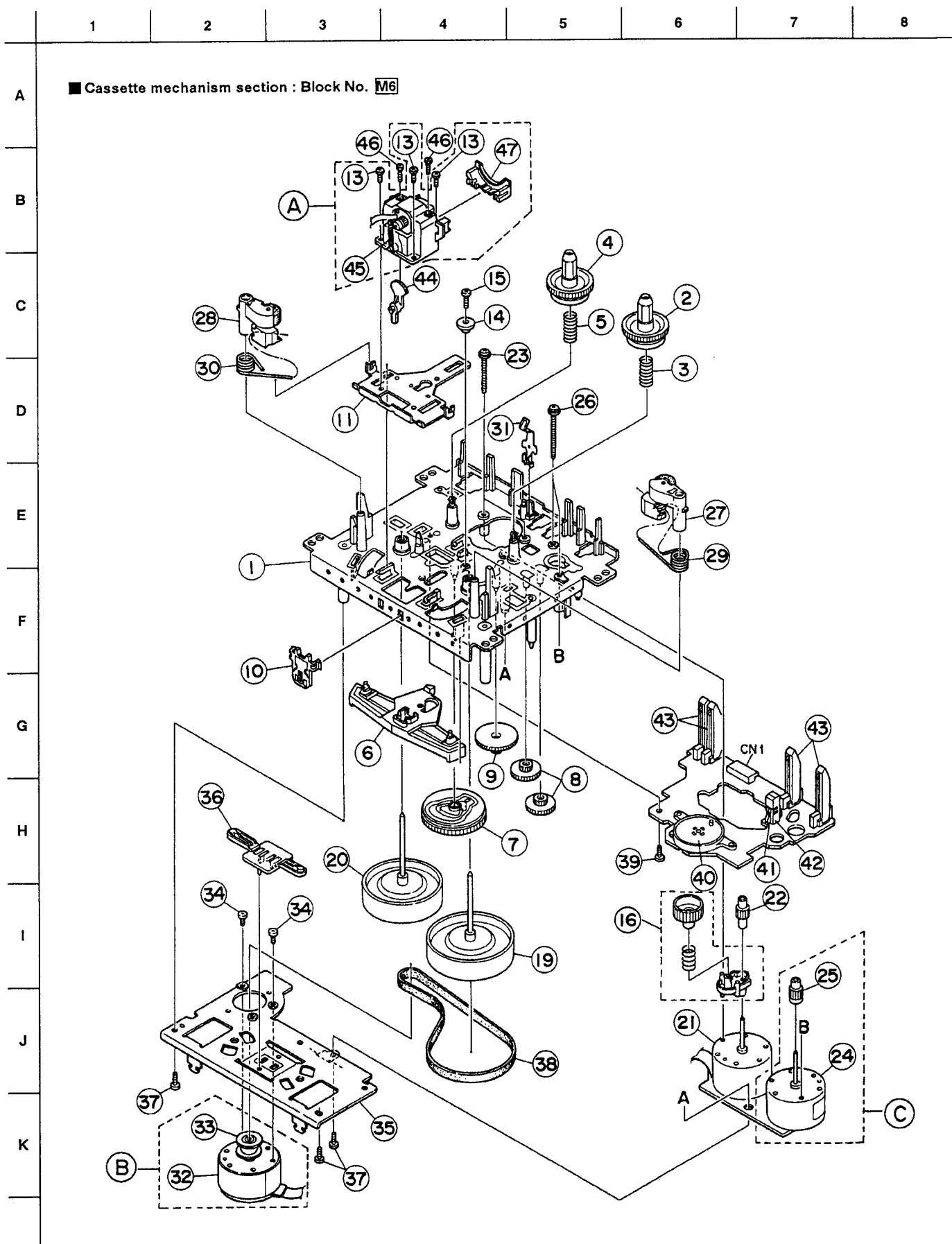
| △ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|---|-------|----------------|-----------------|-----------------|-----|--------------|-----|
| | 46 | VKZ4323-002 | SCREW | E.LEVER+D.HOLDE | 1 | | |
| | 47 | SDSF2608Z | SCREW | E.LEVER+E.KNOB | 1 | | |
| | 48 | SBSF3010Z | SCREW | D.HOLDER+F.PANE | 3 | | |
| | 49 | VKY4180-001 | CASSETTE SPRING | | 2 | | |
| | 50 | VJT2337-002 | CASSETTE HOLDER | | 1 | | |
| | | VJT2337-012 | CASSETTE HOLDER | WHITE | 1 | | |
| | 51 | VKW5124-001 | DOOR SPRING | | 1 | | |
| | 52 | VYH5601-001 | GEAR | DUNPING | 1 | | |
| | 53 | VYH3820-001 | JACK HOLDER | PS AC JACK/V.SE | 1 | | |
| | 54 | SBSF3010Z | SCREW | J.HOLDER+PRI PW | 1 | | |
| | 55 | VKS3655-002 | F.P.C. HOLDER | | 1 | | |
| | 56 | VKL1422-002 | CHASSIS | | 1 | | |
| | 57 | VJF4003-003 | FOOT | CHASSIS | 2 | | |
| | 58 | SBST4006Z | SCREW | TRANS | 4 | | |
| | 59 | VJG1276-001 | TOP COVER | | 1 | | |
| | | VJG1276-011 | TOP COVER | WHITE | 1 | | |
| | 60 | SDST3006M | SCREW | TOP COVER | 7 | | |
| | 61 | VJC2522-002 | REAR PANEL | | 1 | | |
| | 62 | VYH3821-001 | TUNER BRACKET | | 1 | | |
| | 63 | SDST3006M | SCREW | R.PANEL+CHASSIS | 2 | | |
| | 64 | SDSF3008M | SCREW | SPEAKER JACK | 1 | | |
| | 65 | SDSF3008M | SCREW | ANTENA | 2 | | |
| | 66 | VYH7802-002 | RADIATION | | 1 | | |
| | 67 | VYH7876-001 | BRACKET | REF.66 | 1 | | |
| | 68 | SBST3012Z | SCREW | RADI+IC HOLDER | 3 | | |
| | 69 | SBST3008Z | SCREW | RADI+CHASSIS | 1 | | |
| | 70 | SBST3006Z | SCREW | CHASSIS+RADI.BK | 1 | | |
| | 71 | SDSF3008Z | SCREW | J.HOLDER+CHASSI | 2 | | |
| | 72 | VYH7801-002 | IC HOLDER | | 1 | | |
| | 73 | VND4003-034 | FUSE LABEL | F901 T400MA | 1 | | |
| | 74 | VND4003-071 | FUSE LABEL | F902 T2.5A | 1 | | |
| | 75 | VND4003-071 | FUSE LABEL | F903 T2.5A | 1 | | |
| | 76 | VMZ0125-001Z | FUSE CLIP | | 6 | | |
| | 77 | VYN9228-S009 | NAME PLATE | REAR PANEL | 1 | EN | |
| | | VYN9228-S008 | NAME PLATE | REAR PANEL | 1 | G | |
| | | VYN9228-A015 | NAME PLATE | REAR PANEL | 1 | GI | |
| | | VYN9228-S005 | NAME PLATE | REAR PANEL | 1 | E | |
| | | VYN9228-S002 | NAME PLATE | REAR PANEL | 1 | B | |
| | 79 | E70891-001 | CLASS 1 LABEL | REAR PANEL | 1 | | |
| | 80 | VYH7871-001 | LED HOLDER | | 1 | | |
| | 81 | VYTT627-001 | LCD FILTER | LCD | 1 | | |
| | 82 | SDST3006M | SCREW | | 2 | | |
| | 84 | VMA4561-002 | SHIELD CASE | | 1 | E,G | |
| | 85 | VMA4521-002 | SHIELD(A) | | 1 | E | |
| | 86 | VMA4522-003 | SHIELD(B) | | 1 | E | |
| | 90 | E73562-003 | SPECIAL SCREW | | 1 | | |
| | 91 | VMA4554-002 | SHIELD CASE | TUNER PCB | 1 | G | |
| | 92 | VMA4531-002 | SHIELD PLATE | TUNER PCB | 1 | G | |
| | 93 | VMA4522-003 | SHIELD | TUNER PCB | 1 | G | |
| | 94 | VMA4521-002 | SHIELD | TUNER PCB | 1 | G | |
| | 95 | VMA4617-001 | SHIELD CASE | TUNER PCB | 1 | G | |
| | 96 | VMA4562-001 | SHIELD SHEET | TUNER PCB | 1 | G | |
| | 97 | VMA4486-001 | SHIELD CASE | TUNER PCB | 1 | B | |
| △ | F 901 | QMF51E2-R40SBS | FUSE | | 1 | E,G,I,G,EN,B | |
| △ | F 902 | QMF51E2-2R5J1 | FUSE | | 1 | E,G,I,G,EN,B | |
| △ | F 903 | QMF51E2-2R5J1 | FUSE | | 1 | E,G,I,G,EN,B | |
| | LCD01 | VGL1155-001 | LCD | | 1 | | |
| △ | T 901 | VTP66T4-24B | POWER TRANS. | | 1 | B | |
| △ | | VTP66J4-24B | POWER TRANS. | 230V 50HZ | 1 | E,G,I,G,EN | |



■ CD Mechanism assembly parts list

BLOCK NO. **M5MM**

| △ REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|--------|------------|-----------------|---------------|-----|--------|-----|
| 1 | 30020712T | PU.SHAFT | | 1 | | |
| 2 | 30050713T | T.T.PLATE | | 1 | | |
| 3 | 30070701T | TURN TABLE | | 1 | | |
| 4 | 300707502T | TURN TABLE BASE | | 1 | | |
| 5 | 30070726T | GEAR A | | 1 | | |
| 6 | 30070727T | GEAR B | | 1 | | |
| 7 | 30070728T | GEAR C | | 1 | | |
| 8 | 30070729T | GEAR D | | 1 | | |
| 9 | 30070730T | PU.SUPPORT | | 1 | | |
| 10 | 30070739T | TENSION ARM | | 1 | | |
| 11 | 30070746T | EARTH SPRING | | 1 | | |
| 12 | 30070747T | SHAFT HOLDER | | 2 | | |
| 13 | 30070751T | MOTOR PCB(J) | | 1 | | |
| 14 | 60020902T | MOTOR | | 1 | | |
| 15 | 60020903T | MOTOR | | 1 | | |
| 16 | 640101195T | LEAF SWITCH | | 1 | | |
| 17 | 68020264T | CONNECTOR | | 1 | | |
| 18 | 9B1220061T | SCREW | M2X6 | 1 | | |
| 19 | 9C0420303T | SCREW | M2X3 | 4 | | |
| 20 | 9P0420061T | SCREW | M2X6 | 2 | | |
| 21 | 9W0640070T | WASHER | 2.1X4X0.4 CUT | 1 | | |
| 22 | 30070757T | CD RACK | | 1 | | |
| 23 | OPTIMA-6S | OPTICAL PICKUP | | 1 | | |



■ Cassette mechanism assembly parts list

BLOCK NO. M6MM

| △ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|---|------|---------------|-----------------|----------------|-----|--------|-----|
| | A | VKS3673-00A | H.MOUNT ASS'Y | REF.13,45,47 | 1 | | |
| | B | MSI5B2LW-SA1 | CAPSTAN MOTOR | REF.32,33 | 1 | | |
| | C | MSN5D257A-SA1 | DC MOTOR | REF.24,25 | 1 | | |
| | 1 | VKS1126-00B | CHASSIS B ASS'Y | | 1 | | |
| | 2 | VKS5428-00B | T-UP REEL ASSY | | 1 | | |
| | 3 | VKW5043-001 | B.T. SPRING | | 1 | | |
| | 4 | VKS3617-002 | REEL | | 1 | | |
| | 5 | VKW5043-001 | B.T. SPRING | | 1 | | |
| | 6 | VKS3627-001 | PINCH LEVER | | 1 | | |
| | 7 | VKS2224-001 | CONTROL CAM | | 1 | | |
| | 8 | VKS5454-001 | ACT GEAR(2) | | 2 | | |
| | 9 | VKS5455-001 | ACT GEAR(3) | | 1 | | |
| | 10 | VKS3655-002 | F.P.C. HOLDER | | 1 | | |
| | 11 | VKM3632-001 | HEAD BASE | VDL9212-001MK | 1 | | |
| | 13 | SDST2004Z | SCREW | | 3 | | |
| | 14 | VKZ4708-001 | SPECIAL SCREW | | 1 | | |
| | 15 | SDSF2606Z | SCREW | | 1 | | |
| | 16 | VKS5430-00C | FR ARM ASY | | 1 | | |
| | 19 | VKF3184-00H | FLYWHEEL(R)ASY | | 1 | | |
| | 20 | VKF3186-00H | FLYWHEEL(L)ASY | | 1 | | |
| | 21 | MMN-6F4RA38 | D.C.MOTOR | VDL9212-001MK1 | 1 | | |
| | 22 | VKS5432-001 | REEL MOT. GEAR | VDL9212-001MK | 1 | | |
| | 23 | VKZ4705-001 | SPECIAL SCREW | | 2 | | |
| | 24 | MSN-5D257A | D.C.MOTOR | VDL9212-001MK1 | 1 | | |
| | 25 | VKS5433-001 | ACT.MOTOR GEAR | VDL9212-001MK | 1 | | |
| | 26 | VKZ4705-002 | SPECIAL SCREW | | 2 | | |
| | 27 | VKP4227-00B | PINCH R.(R) ASY | | 1 | | |
| | 28 | VKP4229-00B | PINCH R.(L) ASY | | 1 | | |
| | 29 | VKW5045-003 | P.R. SP.(R) | FOR PINCH (R) | 1 | | |
| | 30 | VKW5046-003 | P.R. SP.(L) | FOR PINCH (L) | 1 | | |
| | 31 | VKY4670-001 | CASSETTE SPRING | VDL9212-001MK | 1 | | |
| | 32 | MSI-5B2LW | D.C.MOTOR | VDL9212-001MK1 | 1 | | |
| | 33 | VKR4364-002 | MOTOR PULLEY | | 1 | | |
| | 34 | SPSP2603Z | SCREW | | 2 | | |
| | 35 | VKM3636-002 | FM. BRACKET | | 1 | | |
| | 36 | VKS5327-004 | THRUST PLATE | | 1 | | |
| | 37 | SDSF2608Z | SCREW | | 3 | | |
| | 38 | VKB3001-051 | BELT | | 1 | | |
| | 39 | SDST2612Z | SCREW | | 1 | | |
| | 40 | VKS3616-00A | CAM SW UNIT | | 1 | | |
| | 41 | DN6851-HI | HALL IC | | 1 | | |
| | 42 | VKS3630-001 | IC HOLDER | | 1 | | |
| | 43 | VSH1170-001 | CASSETTE SWITCH | | 4 | | |
| | 44 | VKS3614-001 | TURN OVER GEAR | | 1 | | |
| | 45 | VKW5063-003 | HEAD SPRING | | 1 | | |
| | 46 | VKZ4629-003 | SPECIAL SCREW | | 2 | | |
| | 47 | VKS3654-001 | HEAD MT. COVER | | 1 | | |
| | | | | | | | |

9. Main Adjustments

■ Test Instruments required for adjustment

1. Low frequency oscillator
(oscillation frequency: 50Hz to 20kHz)
(Output : 0 dBs with 60 Ω terminator)
2. Attenuator(Impedance : 600 Ω)
3. Test Tapes
VTT712 For tape speed,wow and
flutter measurement
VTT724 For play back output level
VTT736 For playback frequency
response check
VTT704For head azimuth measurement
4. Electronic voltmeter, Distortion meter
5. Resistor...600 Ω for attenuator matching
6. Torque gauge..... Cassette type for CTG — N
mechanism adjustment
7. Wow and Flutter meter , Frequency counter
8. Extension cord for check EXTUXC7 — KIT
9. Blank tape..... Normal:UR,Chrome: AC513

■ Measuring conditions (Amplifier section)

Supply voltage AC230V (50/60Hz)
(UX — C7E/G/GI/EN)
AC240V(50/60Hz)
(UX — C7B)

Reference output : Speaker 0 dBs (0.775V) / 4 Ω
: Headphone — 20 dBs (0.0775V)/ 32 Ω

● Standard position of functionswitches

Function switch TAPE
Timer , DOLBY NR , Active hyper bassswitch OFF

● Standard position of volume control

BASS, TREBLE Flat position(Bass:0, Treble:0)
Microphone mixing To minimum
Main volume adjust 0 dBs output.VOL28
Standard test frequency..... 1 kHz
; unless otherwise specified.

Reference input level..... TP(CN344) : — 7.5dBs
Input for REC/PB, Check &measuring CN344
: — 27.5dBs

Output for measuring unless otherwise specified

: At speaker terminal(Dummy load 4 Ω)

● Test remarks

1. Negative side of the input and output on the testing set, that ought to be separately to each other, and then bear in mind there connection the testing set with 2 channeles Electronic voltmeter, the negative side never connect commonly.
2. Replaced output load with a dummy and that lead wire to be used as big as possible.
3. Attach top cover when measuring and connect filter shown below Fig. 1 to V. meter.

■ Measuring condition (Radio section)

Refer to rating source Tuner+B : DC 5.8V
Reference output Speaker : 50mW(0.45 V) / 4 Ω
Headphon : (0.06V)/ 32 Ω
AM frequency 400Hz modulation 30%
FM frequency 400Hz modulation
frequency deviation 22.5kHz

● Standard position of switches and controllers

Function..... RADIO
Mode STEREO

● Careful points for adjustment

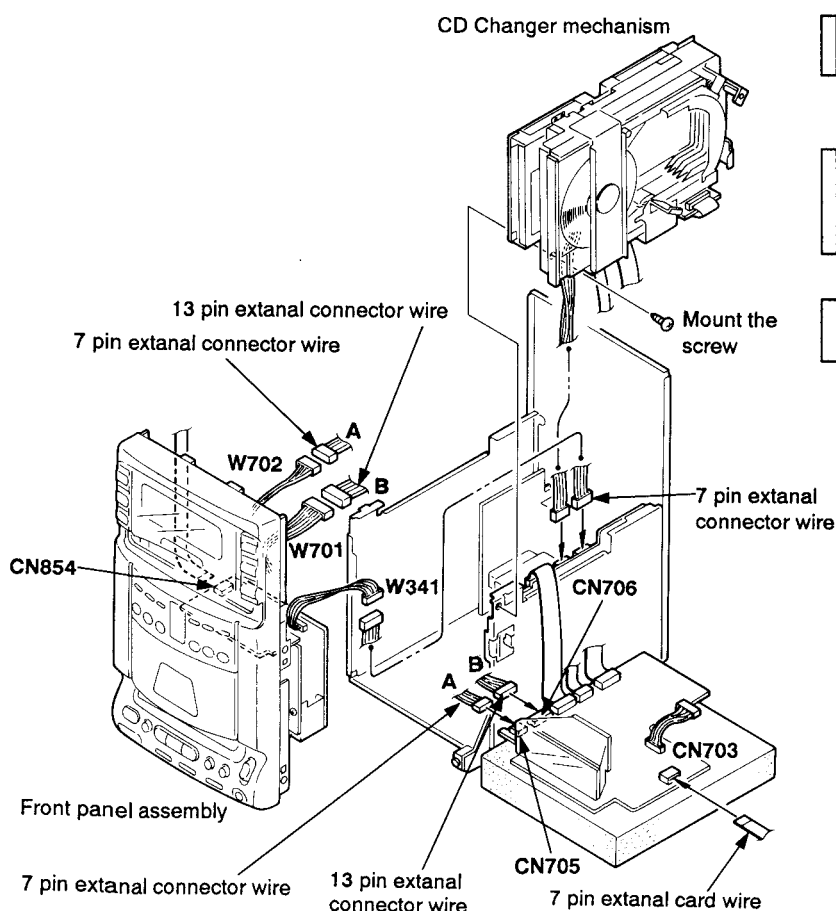
1. Connect 30 pF capacitor and 33 k Ω resistor to the output side of the IF sweeper in series while 0.082 μ F capacitor and 100k Ω resistor to the input side in series.
2. Set output level of the IF sweeper as minimum as adjustable.
3. RF Alignment order
Procedure of the steps of tracking should be kept.

■ Procedure for Connection of Extension Cable for Checking the CD Changer Mechanism

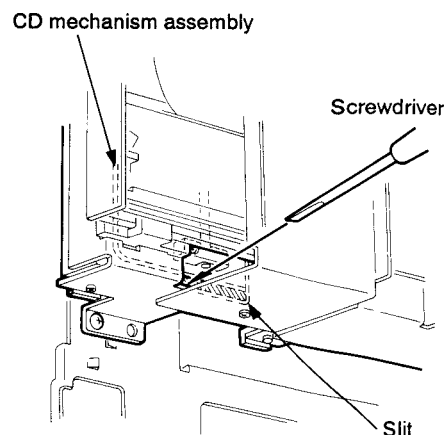
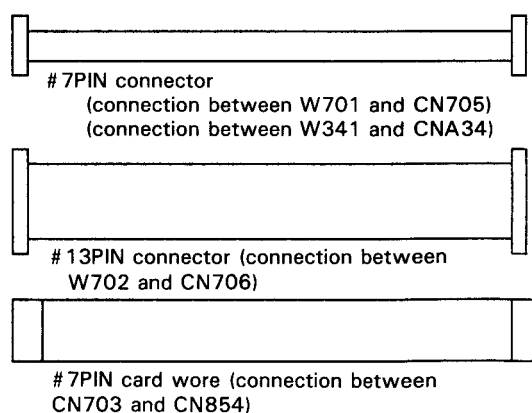
1. Extension cable kit to be used: Parts No. [EXTUXC7-KIT]
2. Procedures for connecting the extension cable and method of checking the CD changer mechanism
 - ① Prior to disassembly, remove the tray fittings from the CD tray.
 - ② Remove the top cover (Refer to [Method of Removing the Top cover]).
 - ③ Remove the system microcomputer P.C. board [Refer to [Method of Removing the System Microcomputer P.C. Board]]).
 - ④ Remove the tuner P.C. board assembly (Refer to [Method of Removing the Tuner P.C. Board Assembly]]).
 - ⑤ Disengage the four engagements between the front panel assembly and chassis, and raise the front panel assembly (Refer to "Method of Removing the Front Panel Assembly]]).
 - ⑥ Remove the CD changer mechanism (Refer to [Method of Removing the CD Changer Mechanism]]).
 - ⑦ Set the CD changer mechanism vertically as indicated in the diagram below and fix it with screws.
 - ⑧ Connect the extension cable of #7PIN connector between the #7PIN connector W701 on the CD operation switch P.C. board attached to the front panel assembly and the connector CN705 on the system microcomputer P.C. board.

- ⑨ CD operation switch.
Connect the extension cable of #13PIN connector between the #13PIN connector W702 on the P.C. board and connector CN706 on the system microcomputer P.C. board.
- ⑩ Connect the extension cable of #7PIN connector between the 7PIN connector W341 on the Dolby P.C. board and connector CNA34 on the power amplifier P.C. board.
- ⑪ Connect the extension cable of #7PIN card wire between the connector CN703 on the system microcomputer P.C. board and connector CN854 on the cassette mechanism control P.C. board.
- ⑫ In order to fill the portion lowered by the weight of the CD mechanism so that the CD changer mechanism can be operated even when it has been set vertically, insert a minus screw driver between an opening at the lower part of the CD mechanism.
- ⑬ Set a disc on the CD tray, and load the disc into the CD tray with the [OPEN/CLOSE] switch while holding it manually.

Now, it will be possible to check TOC reading, CD control P.C. board, CD amplifier P.C. board and so forth.

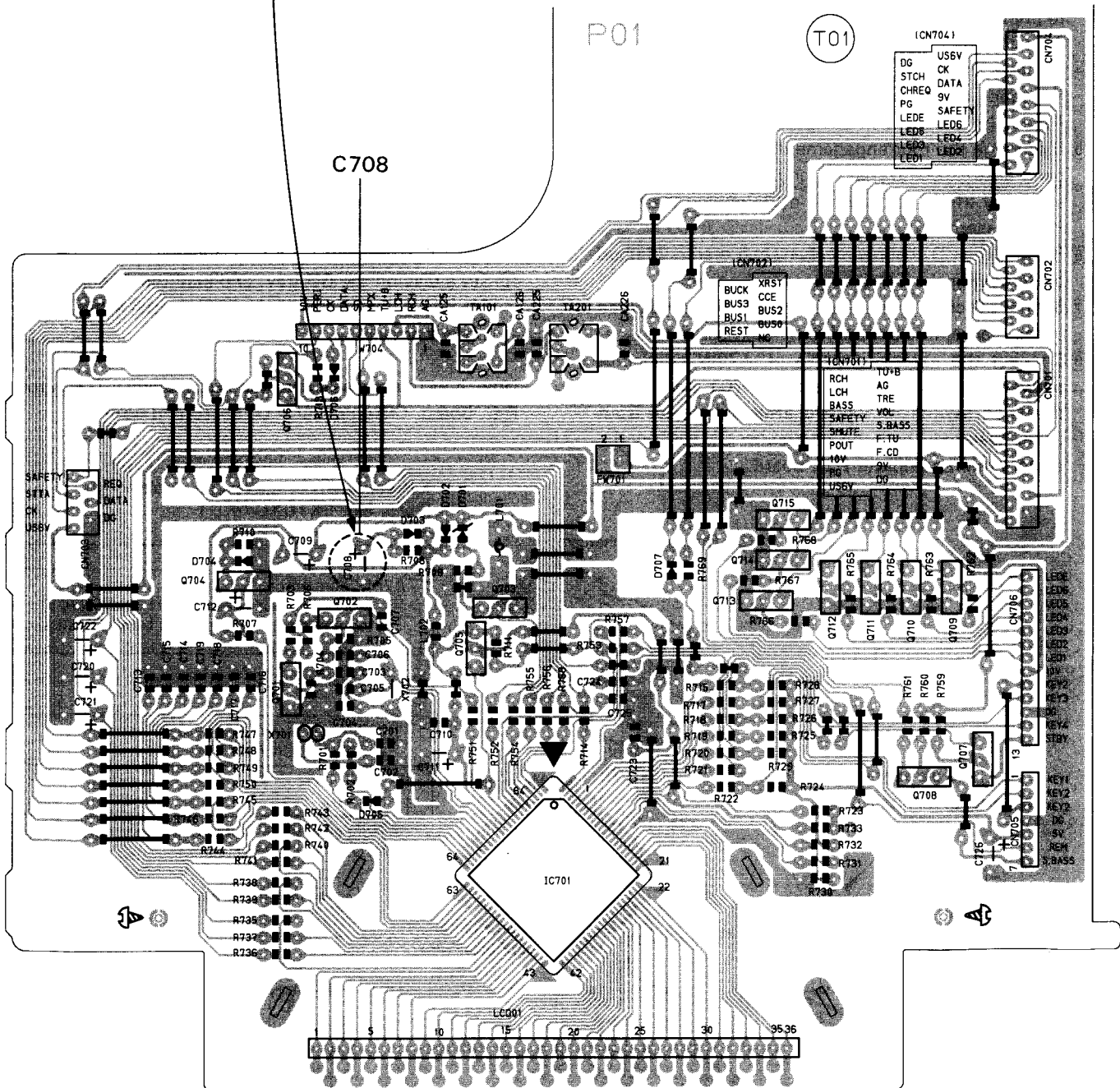


● Breakdown of extension cable kit (Parts No. EXTUXC7-KIT)



■ Initialization of microcomputer

- (1) After completion of repair, turn off the power source to the main system and pull out the power cord from the consent.
 - (2) Discharge the backup condenser C708 on the LCD/system microcomputer board for about five seconds.
- For Preserving the life of backup battery for about one month, it will sometimes become impossible to perform normal operation since the microcomputer remains under repair conditions. After completion of repair, therefore, discharge C708 and initialize the microcomputer. Otherwise, it is impossible to start normal operation of this system simply by resetting.



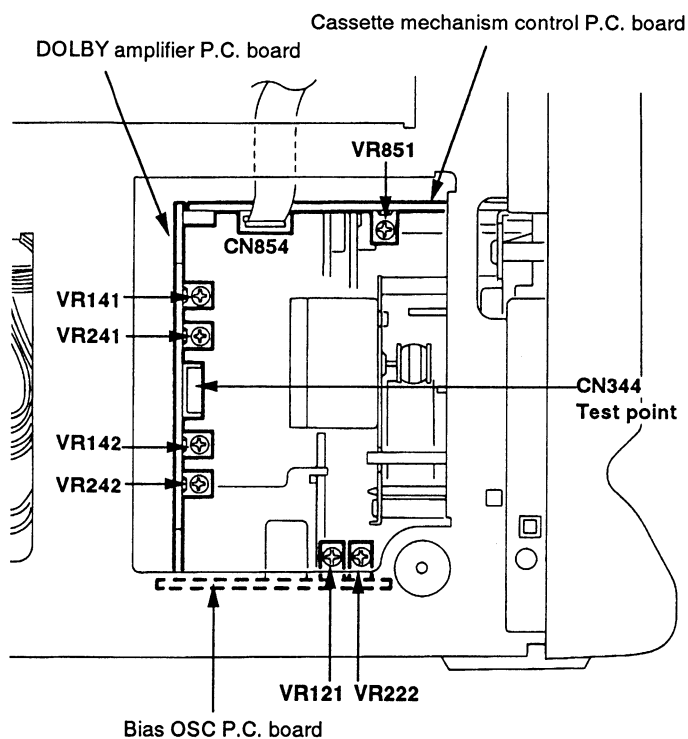
Mechanism & Amplifier Sections

| Item | Conditions | Adjustment & Confirmation Methods | Stand. values | Adjust |
|----------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------|
| Head azimuth adjustment | Test tape :VTT704 (12.5kHz) Test point :Headphone (Dummy load 32 Ω) | Play test tape VTT704(12.5kHz) and adjust the head azimuth so that output level is maximum and phase discrepancy is minimum between the two channels. | Output :maximum Phase difference :minimum | Head adjusting screw |
| Tape speed adjustment | Test tape : VTT712(3kHz) Test point : Headphone (Dummy load 32 Ω) | Play test tape VTT712 (3kHz) and near the end position. Should the following tape speed is out of specification, it is necessary to adjust the VR851 so that standard value obtain 2940~3090 Hz. | Normal speed :2940~3090Hz | VR851 |
| Wow and flutter check | Test tape :VTT712(3kHz) Test point :Headphone (Dummy load 32 Ω) | Play test tape VTT712(3kHz) to tape start, middle and end position. Wow and flutter should be within the following allowance at the three positions. | Playback FWD / REV should be less than 0.2% (JIS RMS) | — |
| Playback output level adjustment | Test tape :VTT724(1kHz) Test point : DOLBY TP(CN344) | 1. Play test tape VTT724(1kHz) and switch the tape select to Metal position. 2. Adjust VR241(LcH) and VR141(RcH) so that standard value obtain less than ± 2 dB. 3. L, R difference level to be less than ± 2 dB. | Less than ± 2 dB Less than ± 2 dB | Lch : VR241 Rch : VR141 |
| Frequency response check | Test tape :VTT – 736 Test point : DOLBY TP (CN344) | Switch tape select to Normal position and volume at level 13 position. Play test tape VTT – 736 then compare the level between 1 kHz and 63Hz , 1 kHz / 12.5kHz. Then defference level should be within 0dB ± 4 dB, 0 dB ± 3 dB. | 63 Hz/ 1 kHz level : within 0 \pm 4dB 1kHz / 12.5kHz : within 0 \pm 3dB | — |

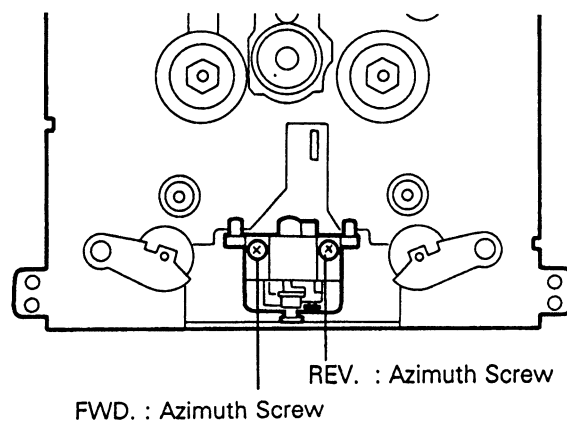
| Item | Conditions | Adjustment & Confirmation Methods | Stand. values | Adjust |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------|
| Bias frequency adjustment | <ul style="list-style-type: none"> • Adjust : FM mode • Confirm : AM mode Test point : DOLBY TP (CN344) | Switch tape select to Normal position. In case that the bias frequency is out of specification, L321 should be readjusted to standard and set to Tuner Rec. position for alignment. ① Adjust bias frequency at FM mode. ② Confirm bias frequency at AM mode. | Tuner frequency : FM / Bias frequency ; 101.0kHz : AM530(M1) / Bias frequency ; 97.2kHz | L321 |
| Recording / playback frequency response check and adjustment | Test tape : UR(Normal tape) Standard frequency : 1kHz (REF. - 20dB) Test point : DOLBY TP (CN344) | Select function to tape mode . Reference level of - 20 dB, (1 kHz and 12.5 kHz) perform the REC/PB function. Play back the recorded signals, adjust VR221(Lch) and VR121 (Rch), so that the level of the 12.5 kHz signal is $+0.5 \text{ dB} \pm 1 \text{ dB}$ to the level of the 1 kHz signal. | 1/12.5 kHz : $+0.5 \pm 1 \text{ dB}$ | Lch : VR221 Rch : VR121 |
| Recording / playback sensitivity check | Test tape : UR(Normal tape) Input : Test point (Test point:CN344) | Supply 1 kHz, - 27.5 dBs signal to the Test point CN344 and record it. Play it back while checking that the level is within $0 \pm 3 \text{ dB}$ to the monitor level. | Reference level : Monitor level Within $0 \pm 3 \text{ dB}$ | — |
| Recording / playback distortion check | Test tape : UR(Normal tape) Input : AUX (Test point:CN344) | Supply 1 kHz, - 27.5dBs signal to the Test point CN344 and record it. Play it back while checking that distortion is less than 5 %. | Less than 5 % | — |

■ Arrangement of adjusting position

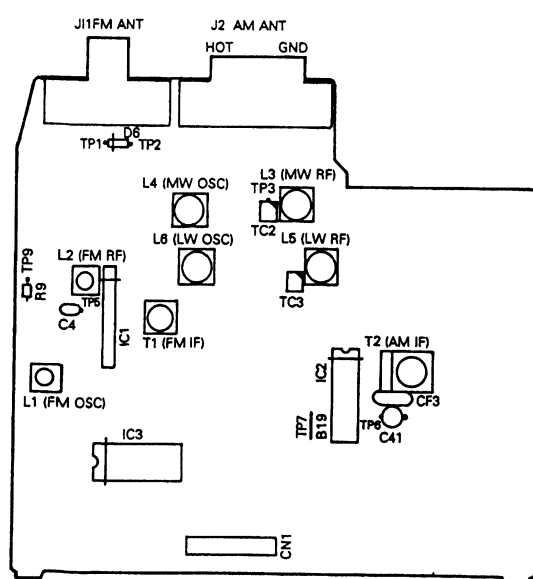
● Amplifier P.C. board part



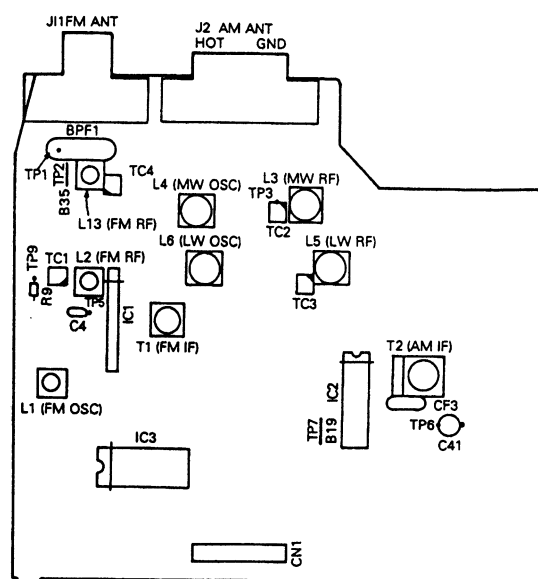
● Cassette mechanism part



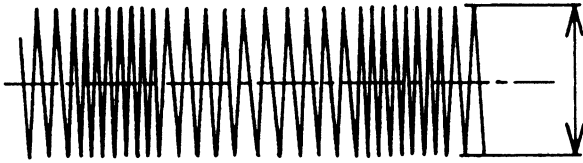
● Tuner P.C. board (UX – C7 B)



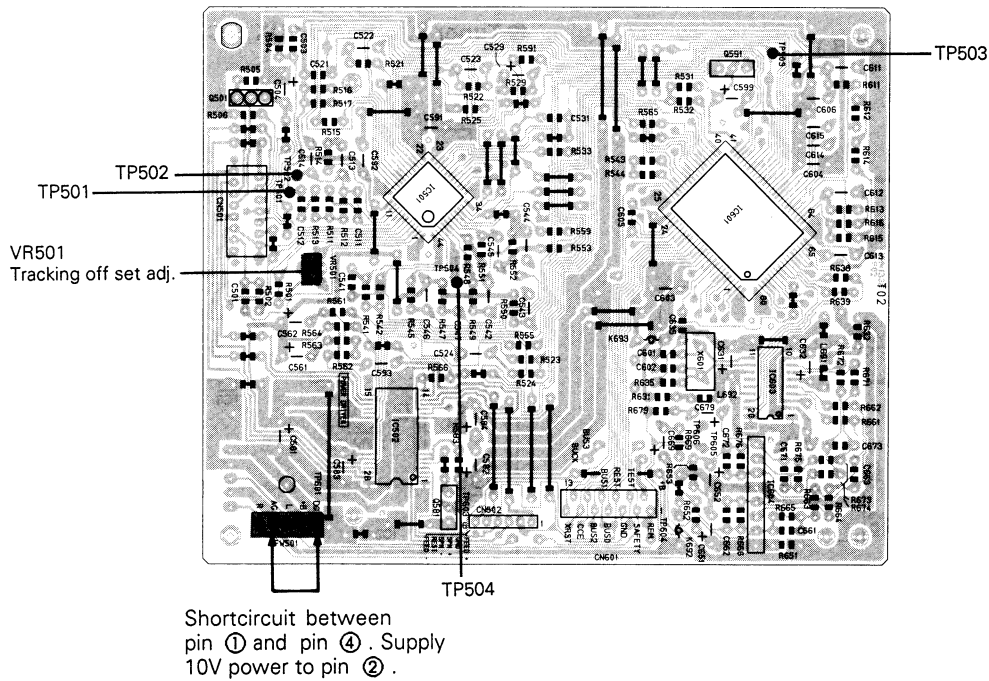
● Tuner P.C. board (UX – C7 E/EN/ G/GI)



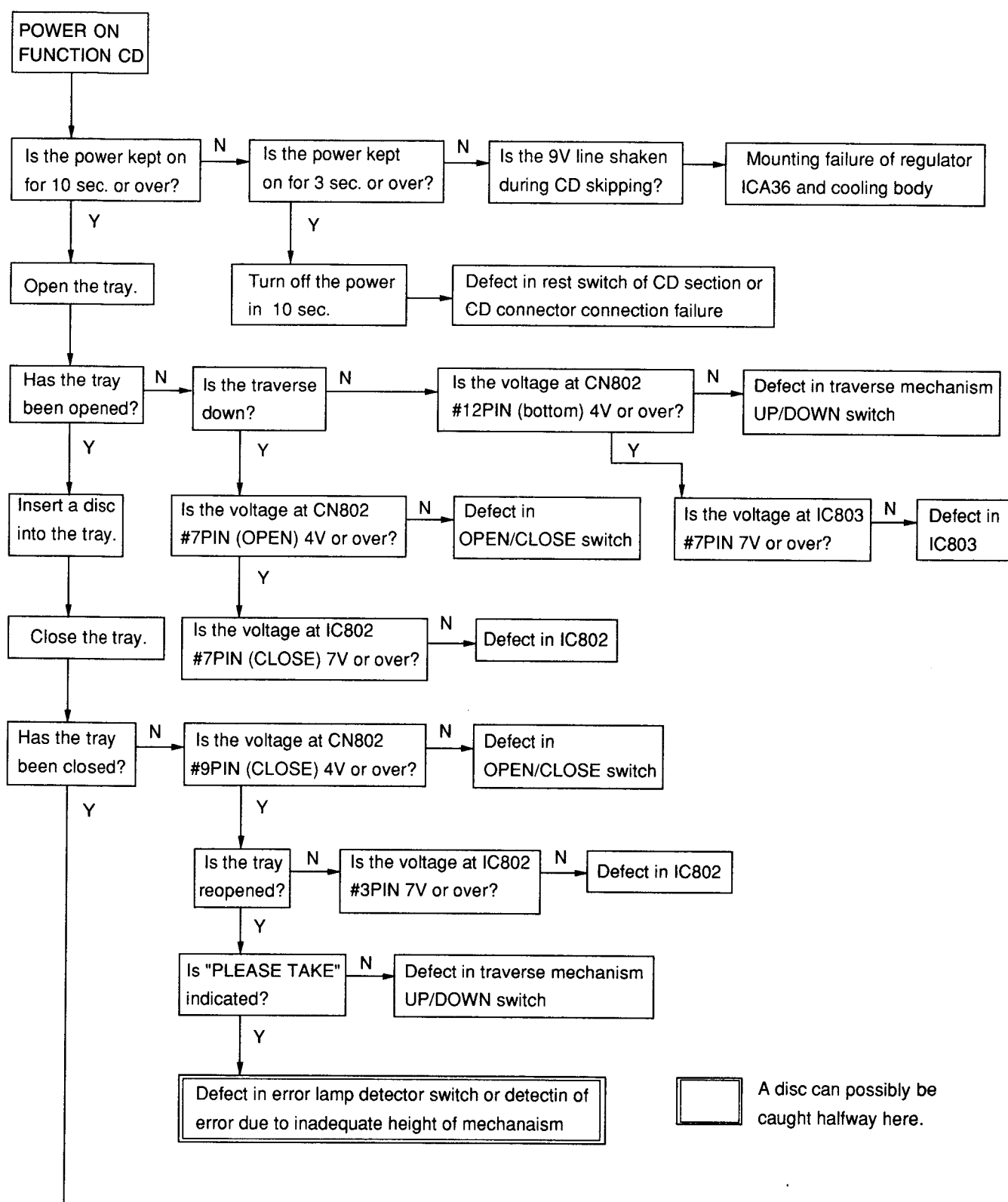
■ CD player Section

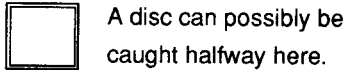
| Item | Conditions | Adjustment & Confirmation Methods | Stand. values | Adjust |
|----------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------|
| Tracking offset adjustment | Normal disc :CTS1000 Oscilloscope | <div>1. Connect an oscilloscope between TP503 (Hot side) and TP502 (Earth side).</div> <div>2. Shortcircuit between pin ② and pin ⑤ of FW501, and supply 8 V to pin ③ .</div> <div>3. Playback a normal disc.</div> <div>4. Shortcircuit between TP504 and TP502.</div> <div>5. Adjust VR501 so that DC level of tracking error signal becomes zero (observed by oscilloscope).</div> <div><div>Tracking offset waveform</div></div> <div><div>Note : (1) Adjust VR501 so that the waveform is vertically symmetric with respect to the zero level.</div><div>(2) Input to the oscilloscope should be DC coupling.</div></div> | Set the center of P – P to the DC zero level. | VR501 |

■ Arrangement of adjusting positions : CD amplifier P.C. board



■ CD Changer mechanism troubleshooting





■ Tuner Section (*AM,FM IF Adjust : No alignment is necessary, in using the solid IF.)

| Item | Conditions | Adjustment & Confirmation Methods | Stand. values | Adjust |
|-------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------|
| AM RF tracking check | Band select : AM Input position : Standard loop antenna Output position : Headphone jack | 1. Receive 603kHz signal (preset No.3) from an AM oscillator by the set while adjusting L3 to maximize headphone output. 2. Next, receive 1404kHz signal (preset No.4) while adjusting TC2 to maximize headphone output. 3. Repeat the above steps 1. and 2. to obtain maximum outputs respectively. | Output level :Maximum | L3 TC2 L3 and TC2 |
| FM RF tracking check (UX – C7 B) | Band select :FM Input position :Dummy antenna unbalanced 75 Ω | 1. Receive 88MHz signal (preset No.3) from the FM oscillator by the set while adjusting L2 to maximize headphone output. 2. Next, receive 106MHz signal (preset No.5) . 3. Do the step 1, adjust for no further improvement. | Output level :maximum | L2 |
| FM RF tracking check (UX – C7 E/EN) | Positive side :TP1 Negative side : TP2 | 1. Receive 87.5MHz signal (preset No.1) from an FM oscillator by the set while adjusting L1 to maximize headphone output. 2. Next, receive 108.0MHz signal (preset No.2). 3. Adjust L1 to obtain $1.3 \pm 0.02V$ at TP9. 4. Receive 88MHz signal from an FM oscillator by the set while adjusting L2, L13 to maximize headphone output. 5.. Next, receive 106MHz signal while adjusting TC1, TC4 to maximize headphone output. 6. Repeat the above steps 4. and 5. to obtain maximum outputs respectively. Note: After putting all shield plate on, repeat the step 4 and 5 again, adjust for no farther improvement. | Output level :maximum $1.3 \pm 0.02V$ | L1 L2, L13 TC1, TC4 |
| FM RF tracking check (UX – C7 G/GI) | * Note for G/GI version After putting all shield plate on, repeat the step 4 and 5 again. | 1. Receive 87.5MHz signal (preset No.1) from an FM oscillator by the set while adjusting L1 to maximize headphone output. 2. Next, receive 108.0MHz signal (preset No.2). 3. Adjust L1 to obtain $1.0 \pm 0.02V$ at TP9. 4. Receive 88MHz signal from an FM oscillator by the set while adjusting L2, L13 to maximize headphone output. 5.. Next, receive 106MHz signal while adjusting TC1, TC4 to maximize headphone output. 6. Repeat the above steps 4. and 5. to obtain maximum outputs respectively. | Output level :maximum $1.0 \pm 0.02V$ | L1 L2, L13 TC1, TC4 |

[illegible]

10. Block Diagram

■ General section

• UX-C7B

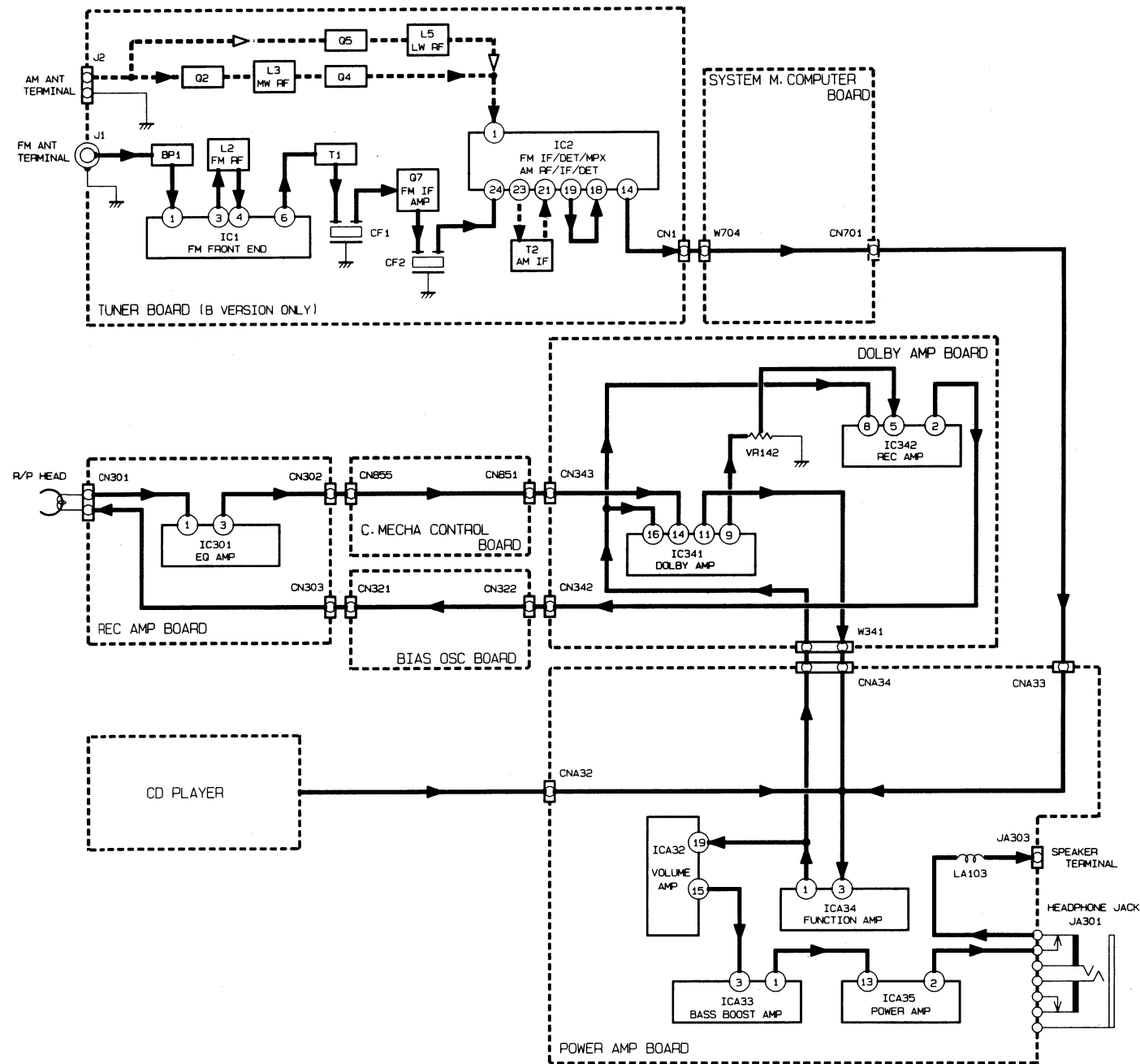


Fig. 10-1

• UX-C7E/EN

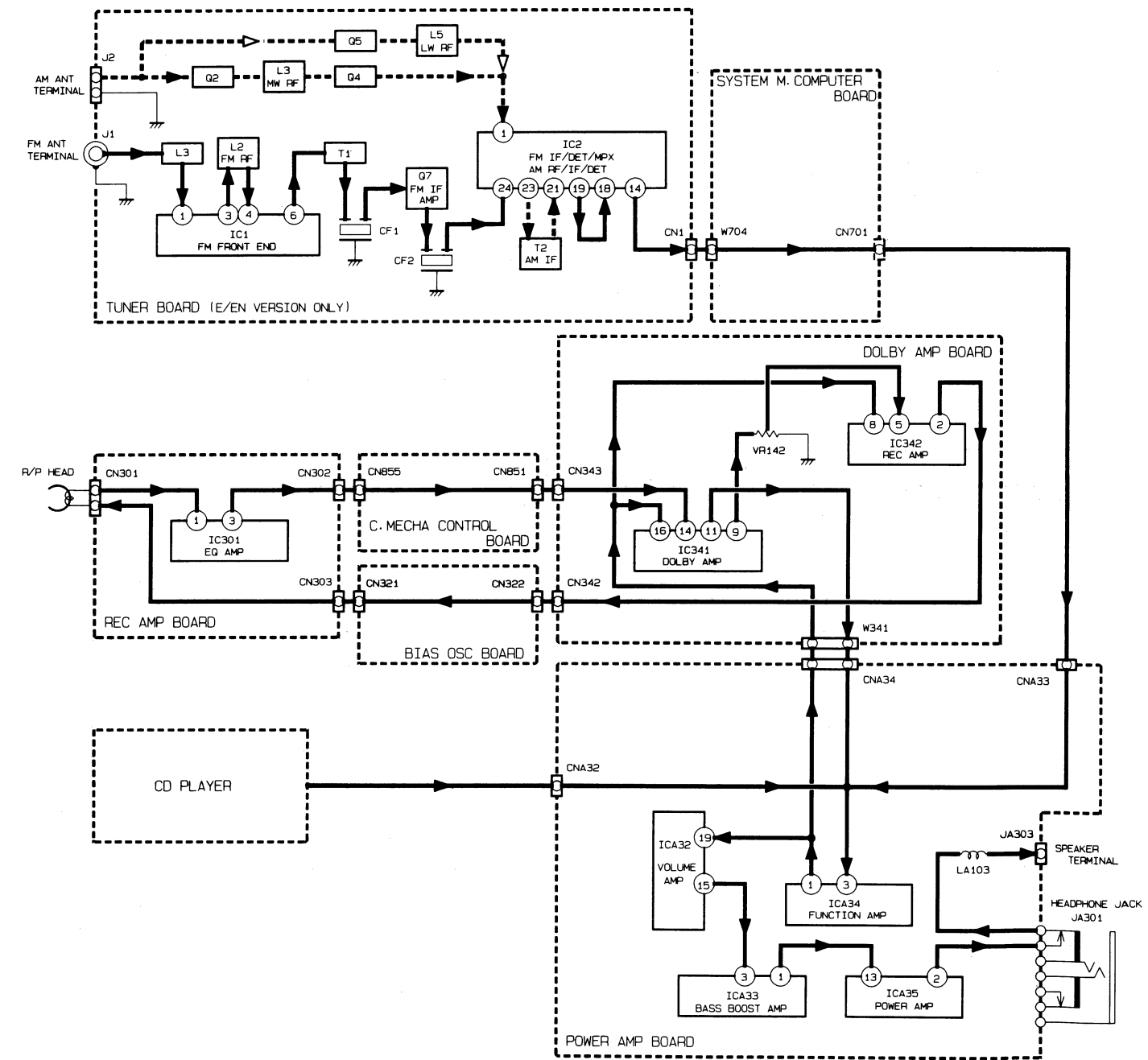


Fig. 10-2

• UX-C7G/GI

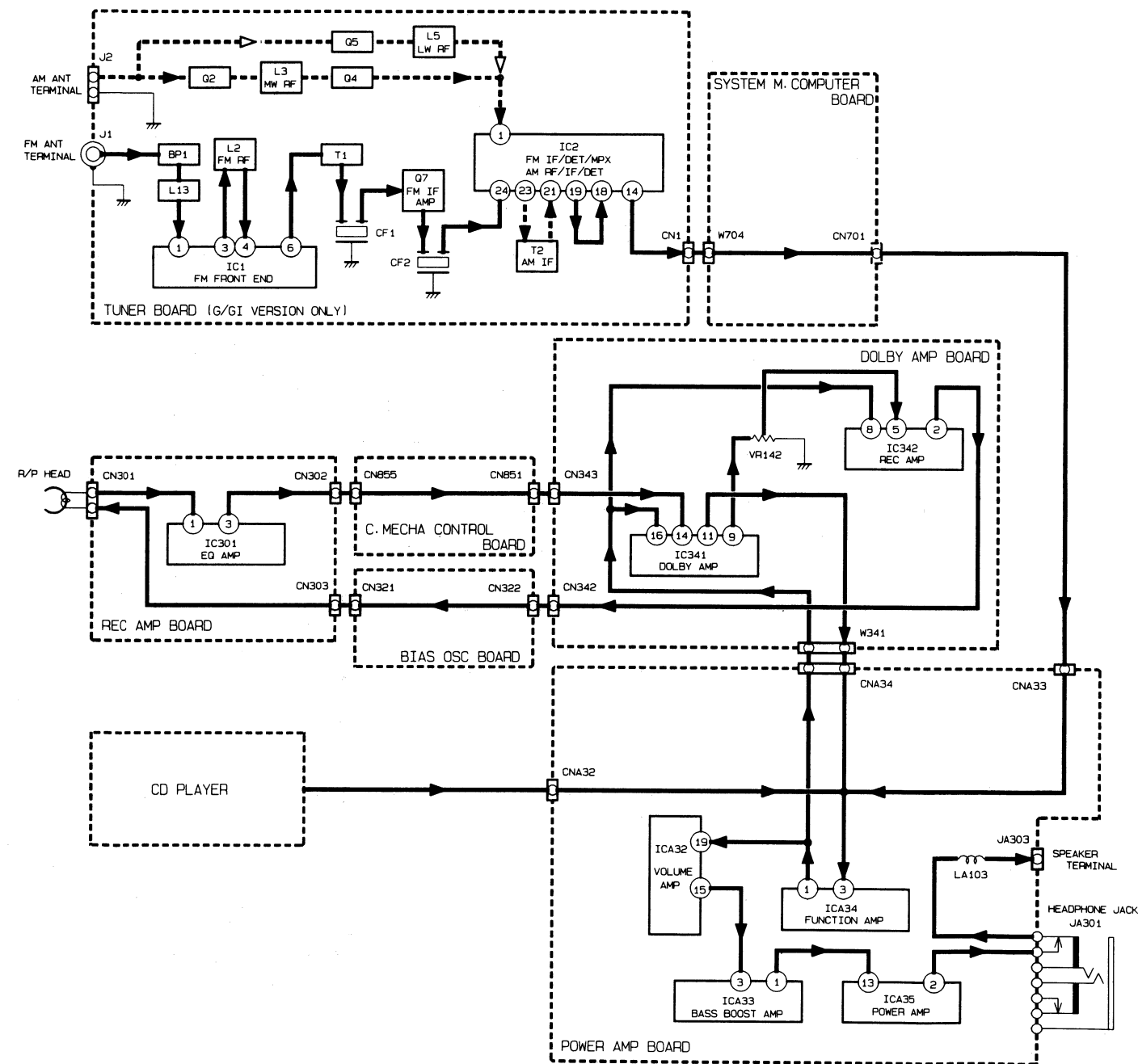


Fig. 10-3

■ IC701 : MN171603 – JJE (System micro computer)

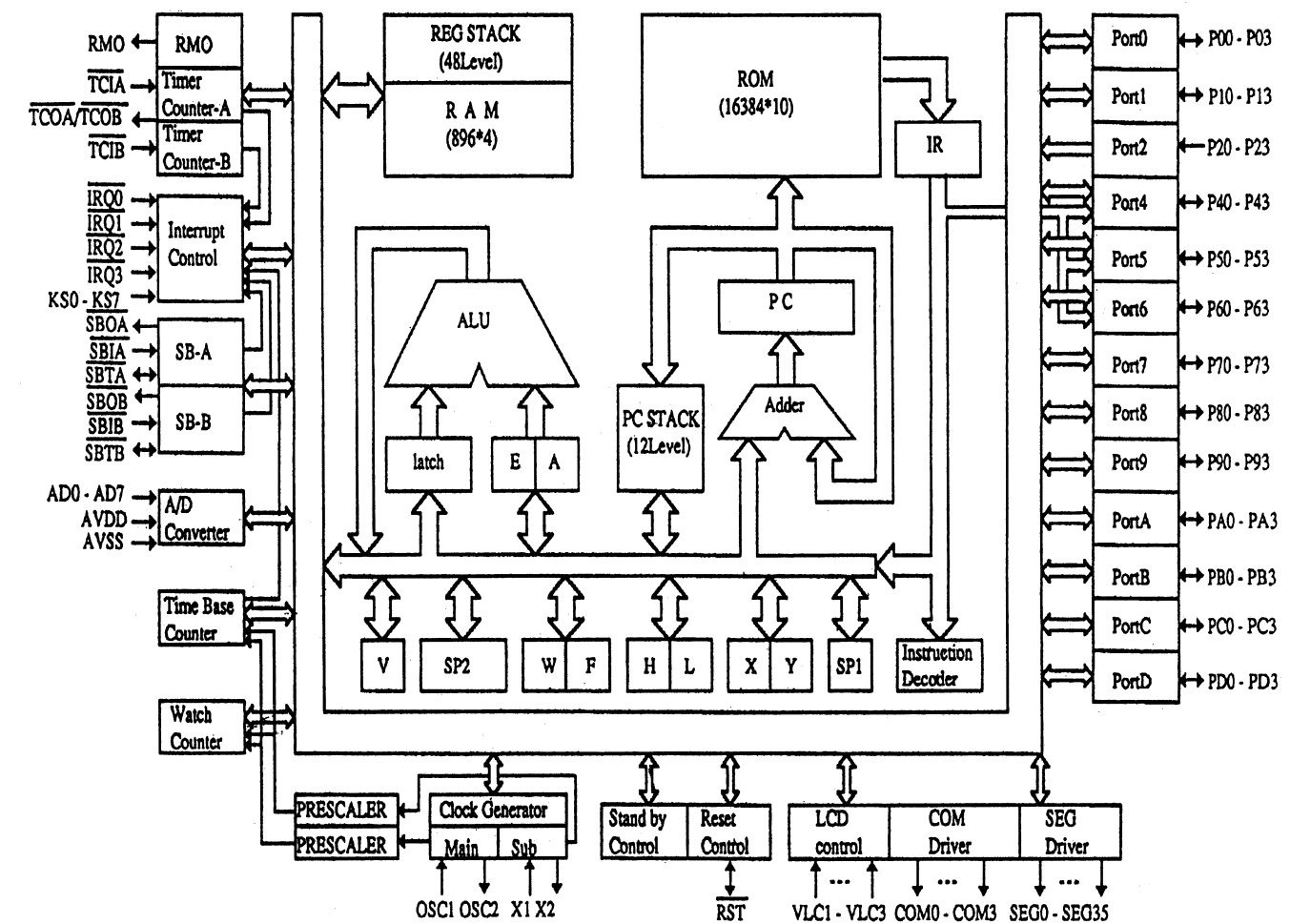


Fig. 10-4

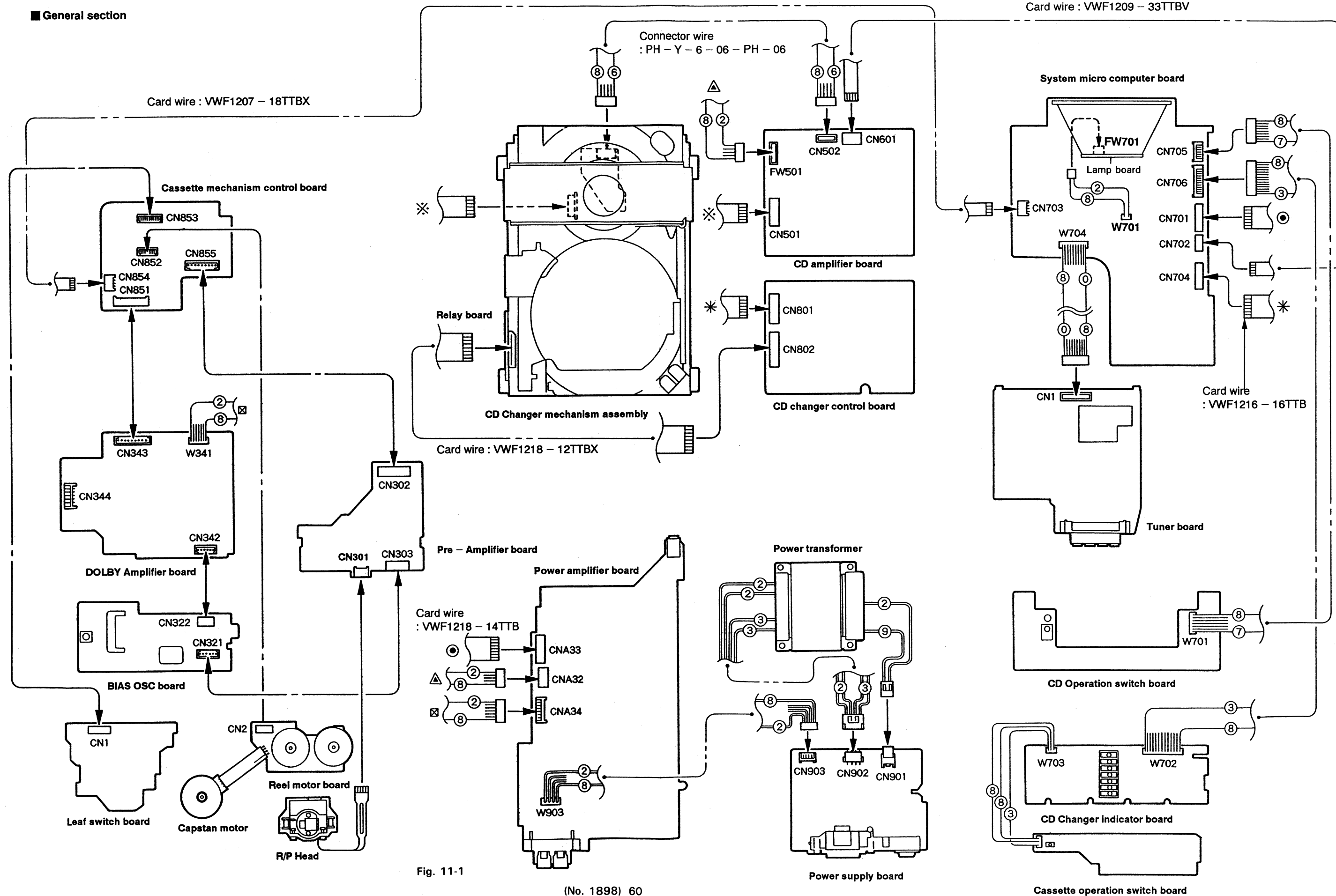
● IC701 : MN171603 – JJE

| Pin No. | Terminal Name | Abbreviation | I/O | Remarks |
|---------|---------------|---------------------|-----|--------------------------------------------------------|
| 1 | P22 | \overline{SD} | I | Tuner signal detect |
| 2 | P23 | BUP | I | Detect the state of back up |
| 3 | AVss | AVss | I | |
| 4 | AD0 | CHREQ/ RST | I | Demand the receive when changer transmited. |
| 5 | AD1 | KEY1 | I | Input the key |
| 6 | AD2 | KEY2 | I | Input the key |
| 7 | AD3 | KEY3 | I | Input the key |
| 8 | AD4 | KEY4 | I | Input the key |
| 9 | PB1 | REQ | I | Demand the receive when cassette mechanism transmited. |
| 10 | AD6 | \overline{SAFETY} | I | Detect the over current, Switch distinction. |
| 11 | AD7 | VERSION | I | Distinate version with the destination |
| 12 | AVdd | AVdd | | |
| 13 | Vlc1 | Vlc1 | | |
| 14 | Vlc2 | Vlc2 | | |
| 15 | Vlc3 | Vlc3 | | |
| 16 | COM3 | COM3 | | LCD remote control |
| 17 | COM2 | COM2 | | LCD remote contro |
| 18 | COM1 | COM1 | | LCD remote contro |
| 19 | COM0 | COM0 | | LCD remote contro |
| 20 | SEG0 | SEG0 | O | LCD segment |
| | | | | |
| 51 | SEG31 | SEG31 | O | LCD segment |
| 52 | P70 | VOL | O | PWM volume, CTL |
| 53 | P71 | TRE | O | PWM TREBLE |
| 54 | P72 | BASS | O | PWM BASS |
| 55 | P73 | SMUTE | O | System mute |

| Pin No. | Terminal Name | Abbreviation | I/O | Remarks |
|---------|------------------------------|-------------------|-----|--------------------------------------------|
| 56 | P40 | S.BASS | O | Super bass CTL |
| 57 | P41 | POUT | O | Power supply for amplifier CTL |
| 58 | P42 | $\overline{F.TU}$ | O | Function :TUNER |
| 59 | P43 | F.CD | O | Function :CD |
| 60 | P50 | STCH | O | Strobe for changer of correspondence |
| 61 | P51 | \overline{XRST} | O | CD LSI RESET |
| 62 | P52 | \overline{CCE} | O | CD DATA chip inable |
| 63 | P53 | BUCK | O | CD bus clock |
| 64 | P60 | BUS0 | I/O | CD data bus 0 |
| 65 | P61 | BUS1 | I/O | CD data bus 1 |
| 66 | P62 | BUS2 | I/O | CD data bus 2 |
| 67 | P63 | BUS3 | I/O | CD data bus 3 |
| 68 | RST | RST | | |
| 69 | X1 | X1 | | |
| 70 | X2 | X2 | | |
| 71 | Vss | Vss | | |
| 72 | OSC2 | OSC2 | | |
| 73 | OSC1 | OSC1 | | |
| 74 | Vdd | Vdd | | |
| 75 | P00 | BEAT | O | Frequency shift for main clock |
| 76 | P01 | XKILL | O | Stop the X'tal when back up |
| 77 | P02 | STTA | O | Strobe for tap of correspondence |
| 78 | P03 | STBY | O | Stand by LED when POUT output |
| 79 | P10 | PERI | O | Strobe for TUNER PLL of correspondence |
| 80 | \overline{SBTB} | CK | O | TUNER ,TAPE, CD SERIAL CLK |
| 81 | \overline{SBIB} | SI | I | Serial data I |
| 82 | $\overline{SBD\overline{B}}$ | SO | O | Serial data O |
| 83 | P20 | \overline{MPX} | I | Destinate detecator of TUNER stereo signal |
| 84 | $\overline{IRQ1}$ | REM | I | Input the remote control |

11. Wiring Connections

■ General section



CD changer mechanism sections

18 pin Connector discription

- 1.....UP/DOWN reset switch
- 2.....UP/DOWN P/S
- 3.....LOAD switch
- 4.....LOAD/UNLOAD P/S
- 5.....LOAD Motor(-)
- 6.....LOAD Motor(+)
- 7.....OPEN switch
- 8.....GRAND
- 9.....CLOSE switch
- 10.....Supply voltage 5V
- 11.....Traverse mechanism up switch
- 12.....Traverse mechanism Down switch
- 13.....UP/DOWN Motor(+)
- 14.....UP/Down Motor(-)
- 15.....Plunger
- 16.....Plunger
- 17.....8cm disc detector
- 18.....Install a erroneous disc switch

● Location of main electrical parts
(Refer to Block No. **M1**:REF.Number)

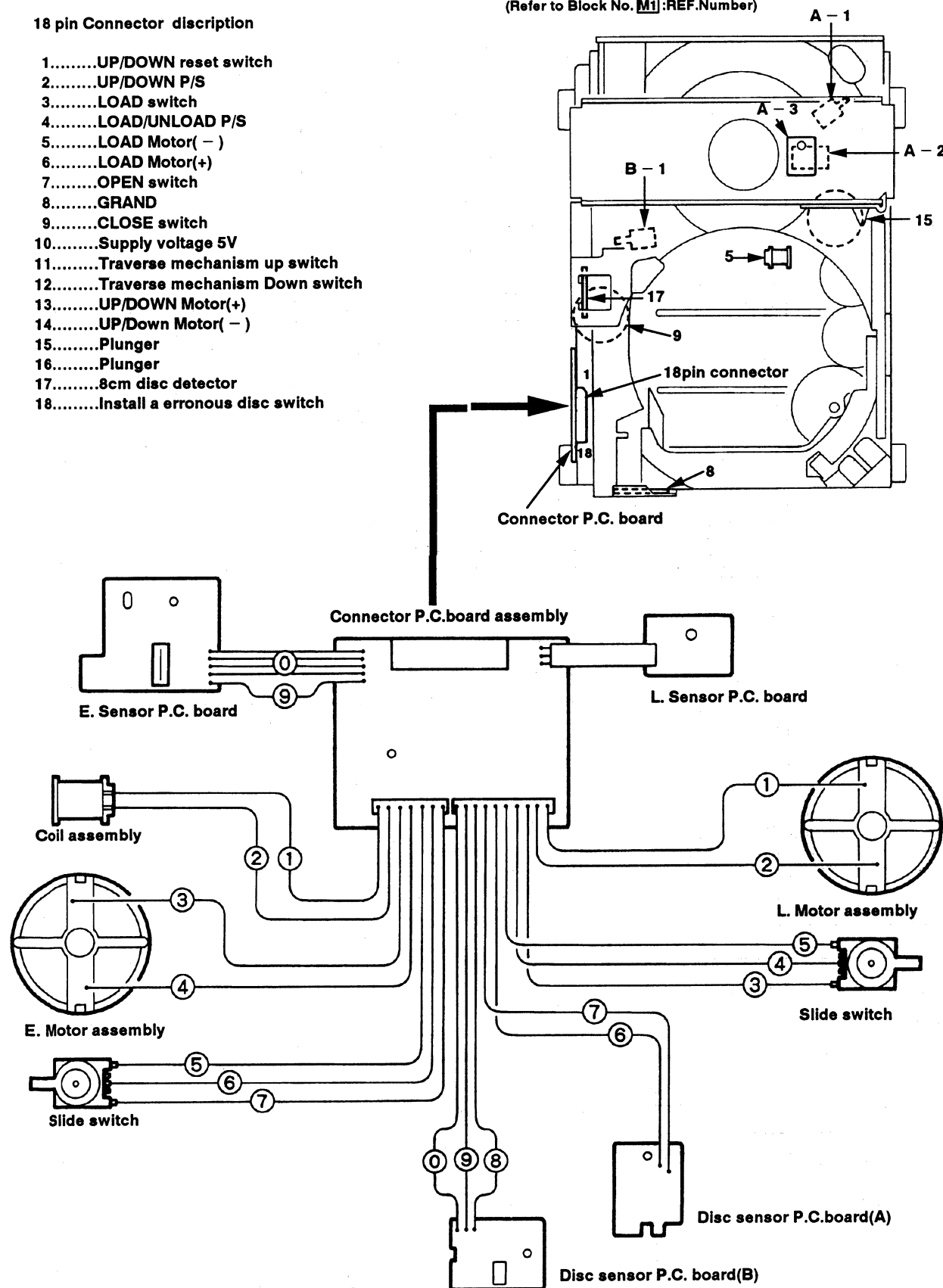


Fig. 11-2

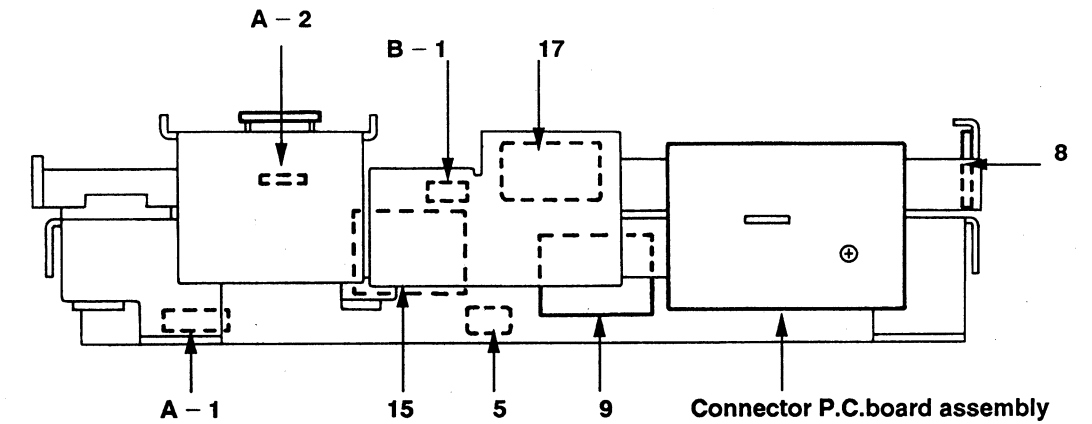


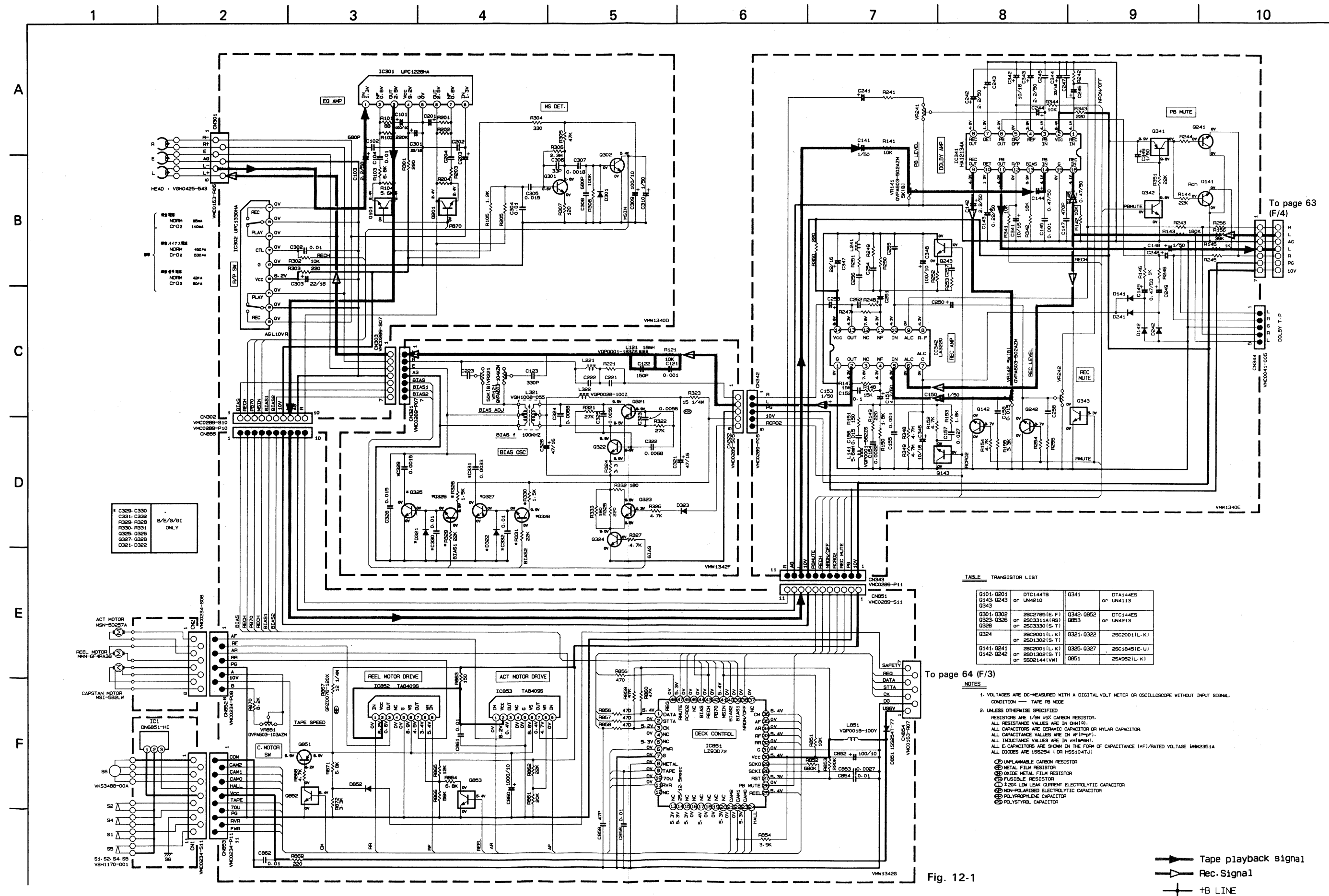
Fig. 11-3

● Color codes are shown below

| | | | |
|---------|--------|---------|------------|
| 1 | Brown | 8 | Gray |
| 2 | Red | 9 | White |
| 3 | Orange | 0 | Black |
| 4 | Yellow | D | Pink |
| 5 | Green | C | Light Blue |
| 6 | Violet | | |

12. Standard Schematic Diagram

■ Pre-amplifier circuit: Drawing No. VDH9228-006PV



■ Power amplifier circuit: Drawing No. VDH9228-006AV

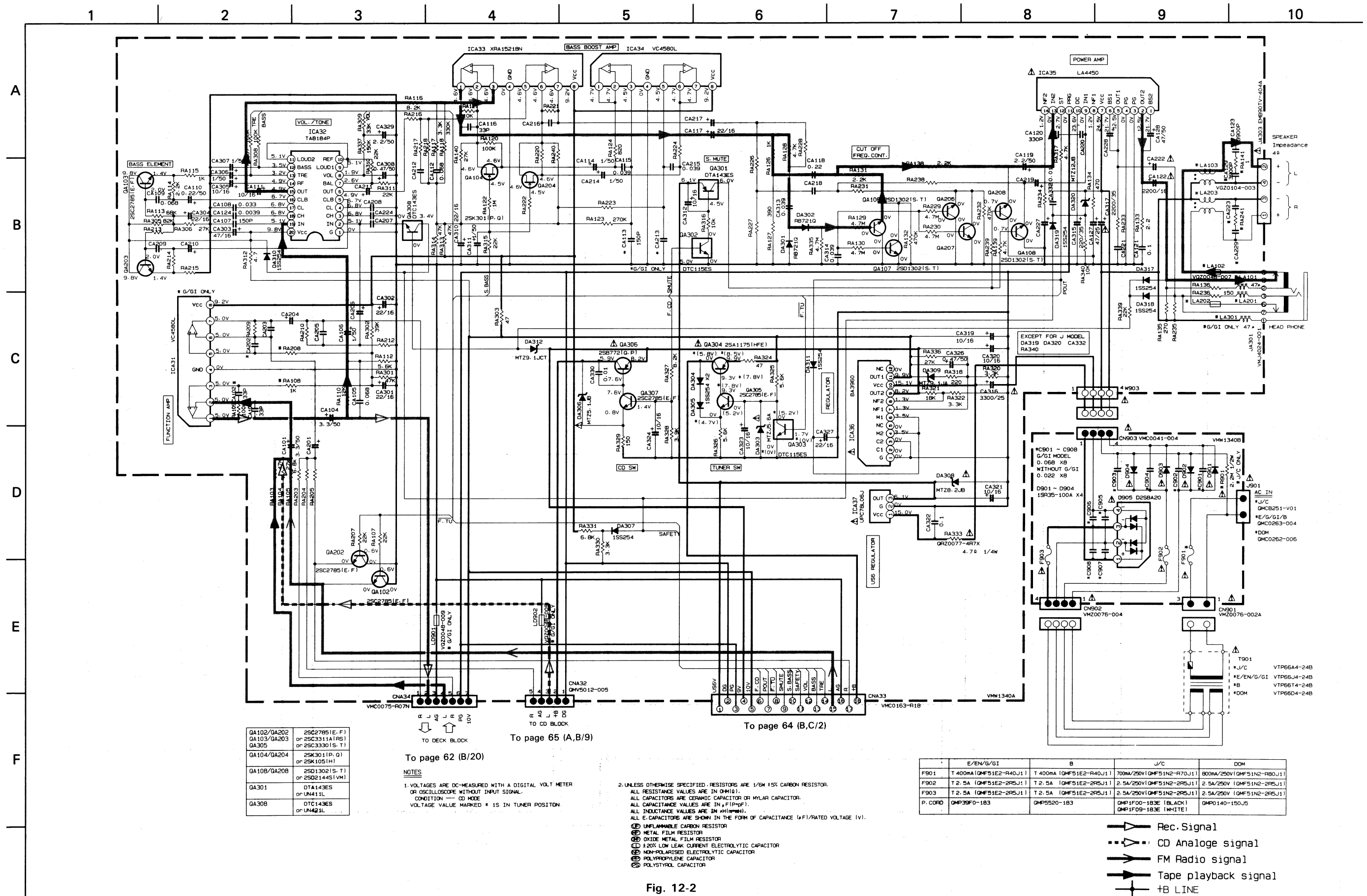


Fig. 12-2

■ System micro computer circuit: Drawing No. VDH9228-006SV

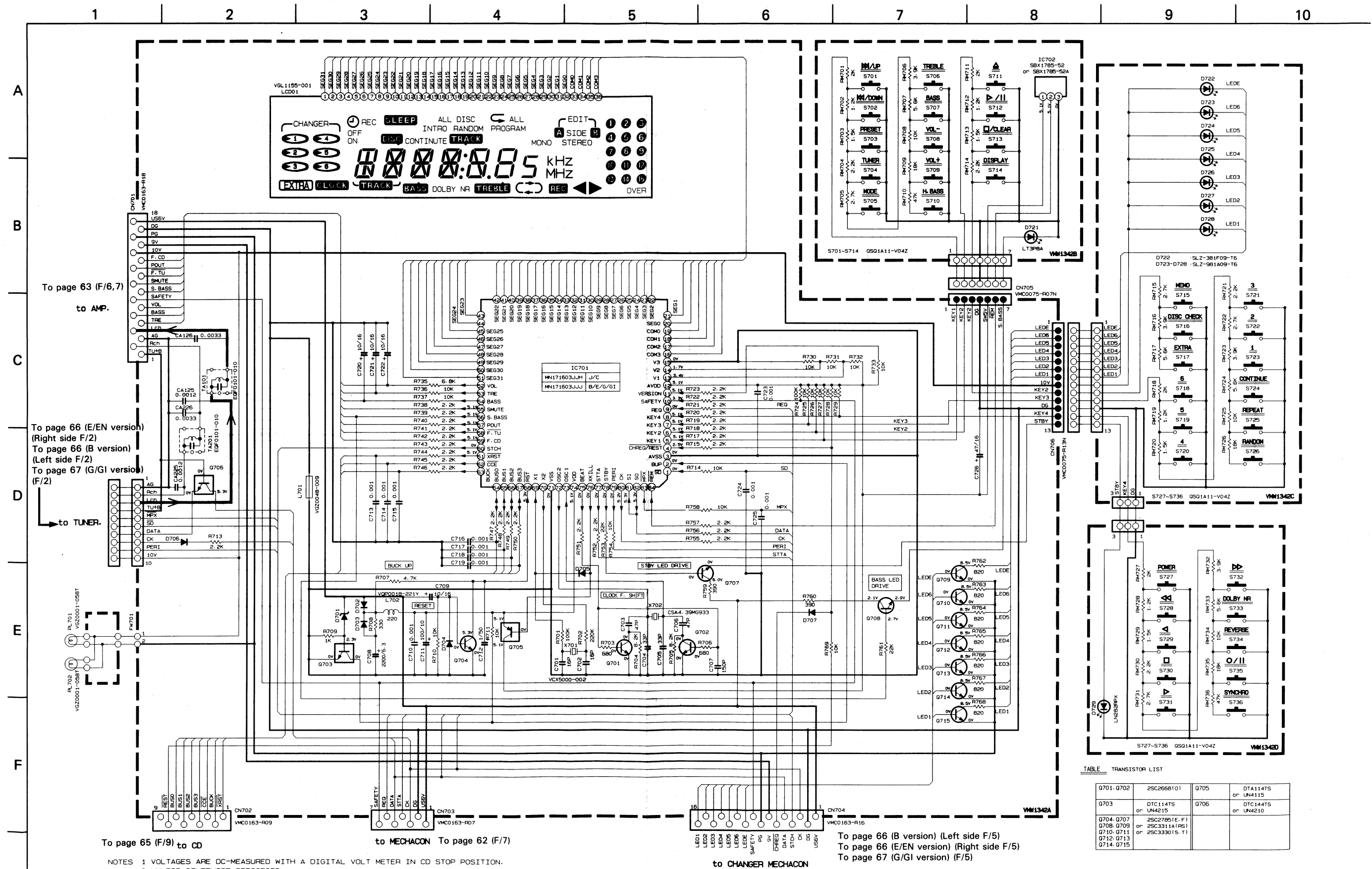


Fig. 12-3

■ **CD amplifier circuit: Drawing No. VDH9228-006CV**

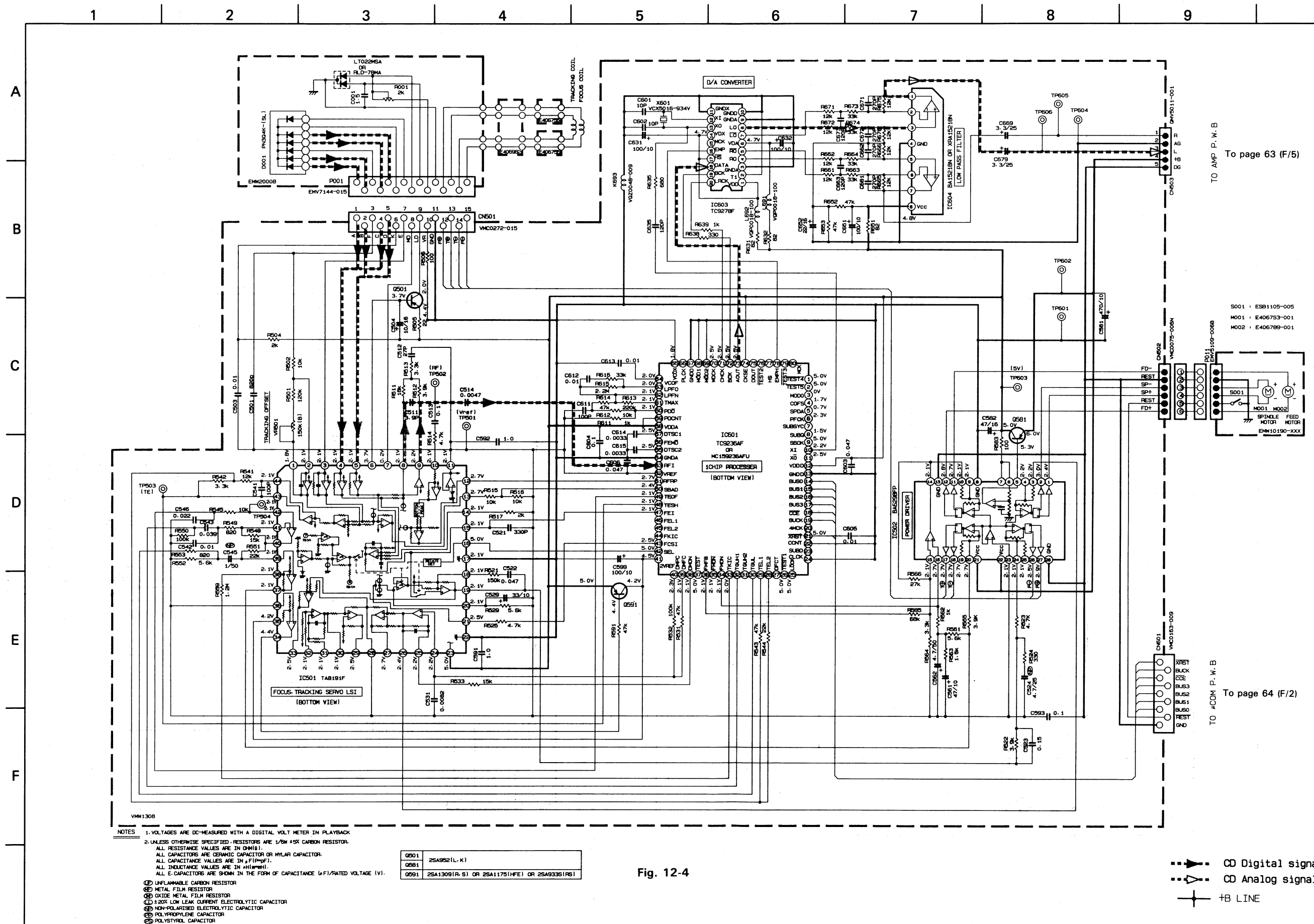
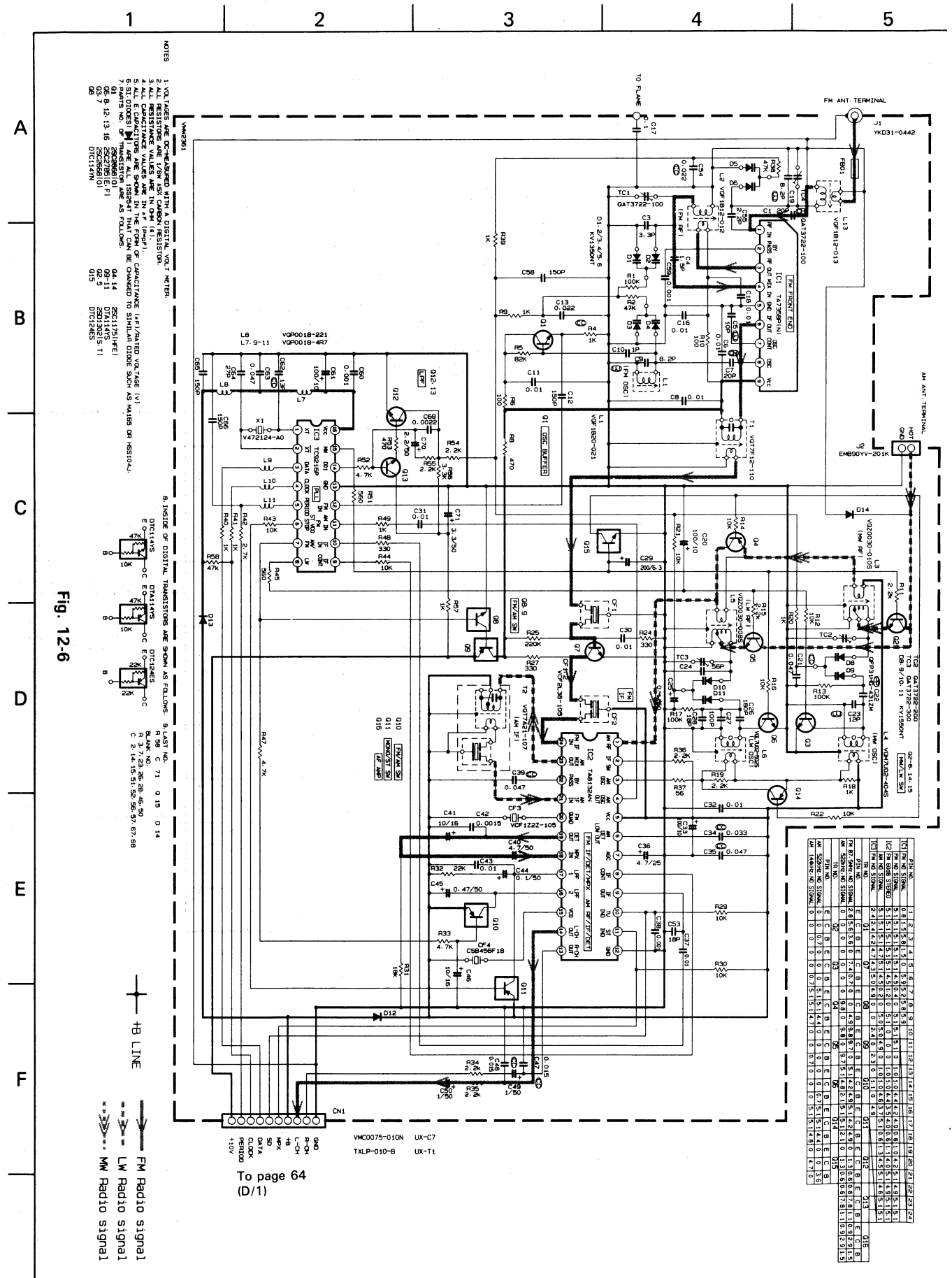
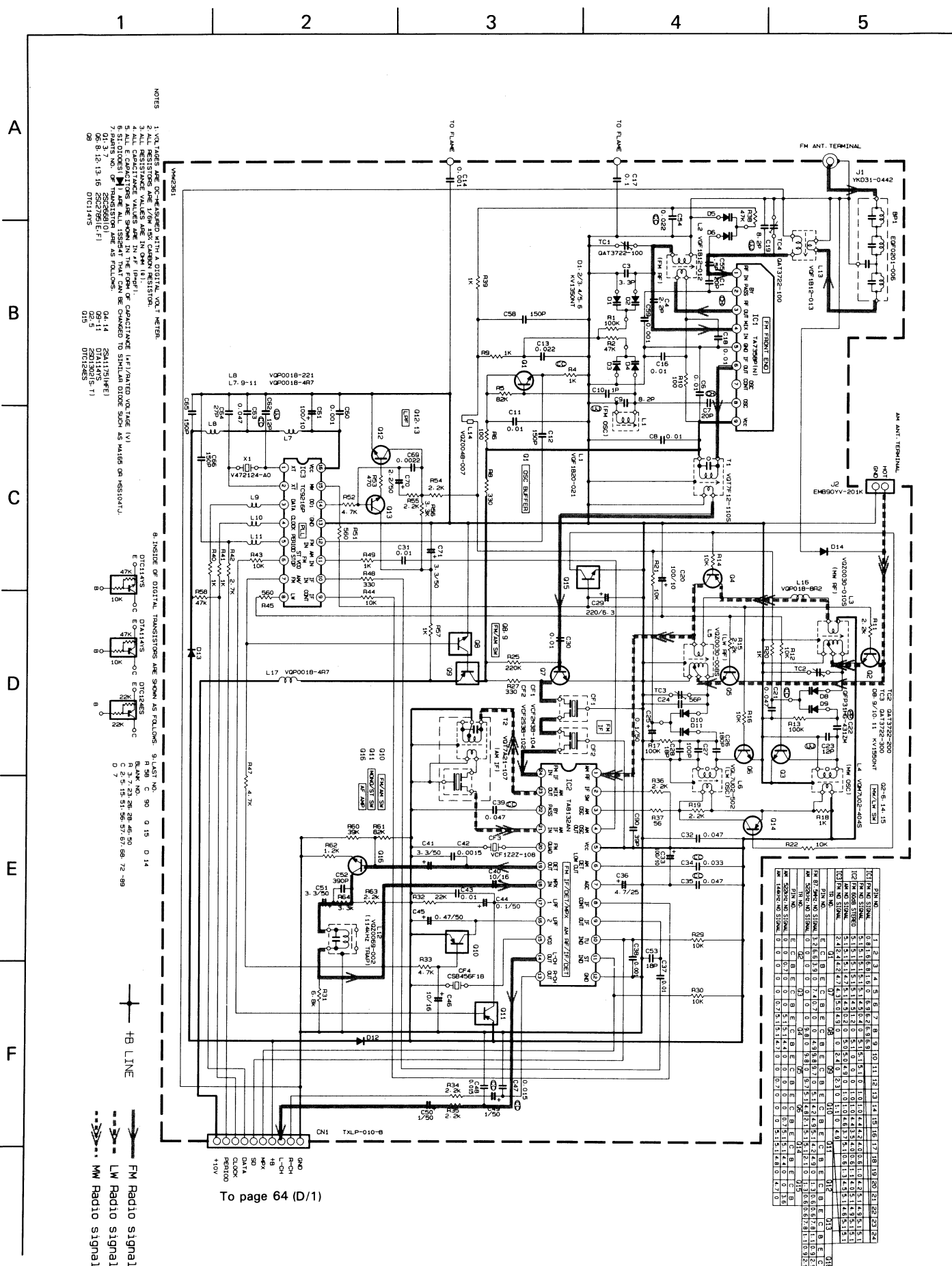


Fig. 12-4

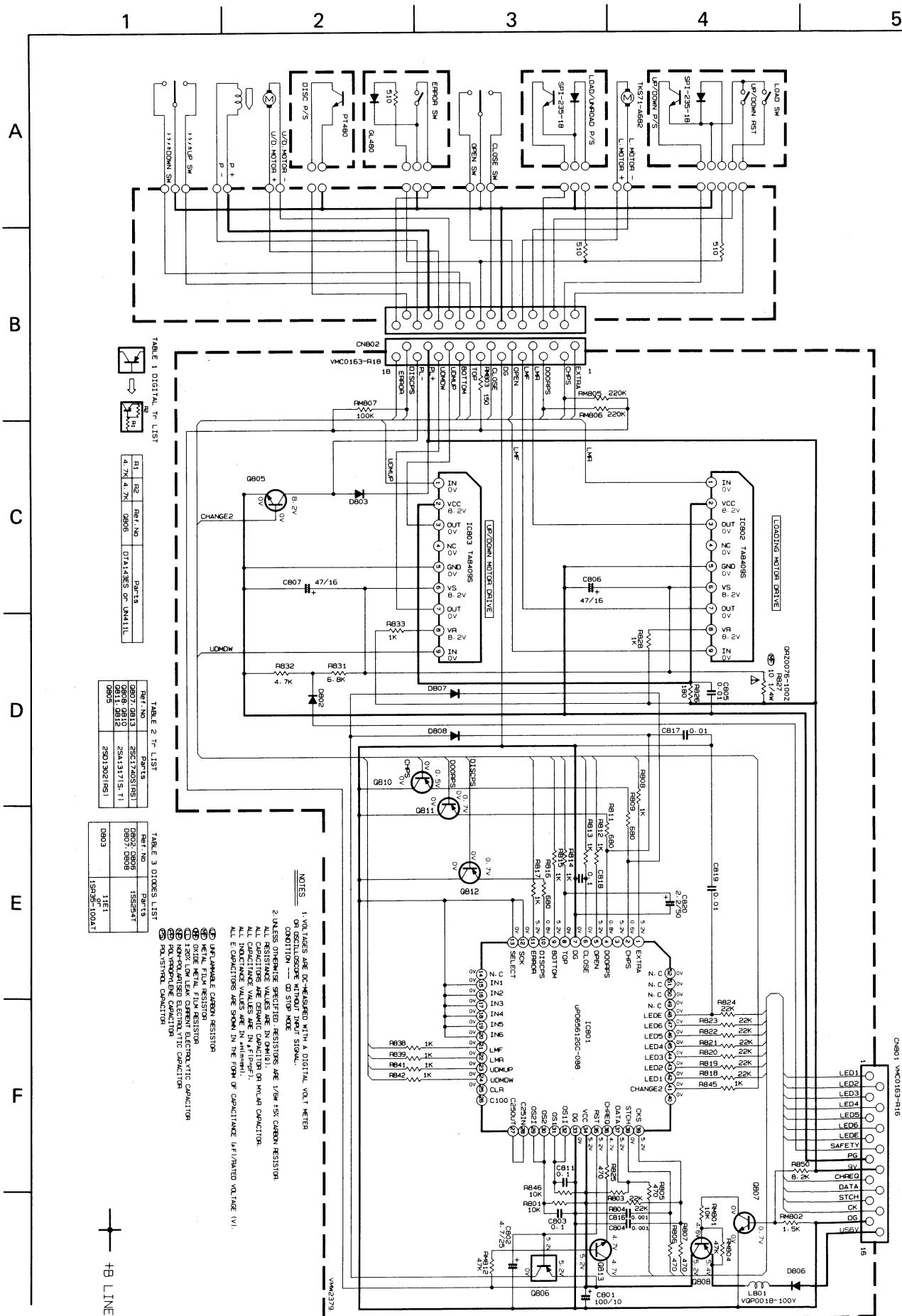
■ Drawing No. VDH9228-005TW (UX-C7 E/EN)



■ Drawing No. VDH9228-008TW (UX-C7G/GI)



■ Loading Control Circuit: Drawing No. VDH9228-006MW



13. Location of P.C. Board Parts

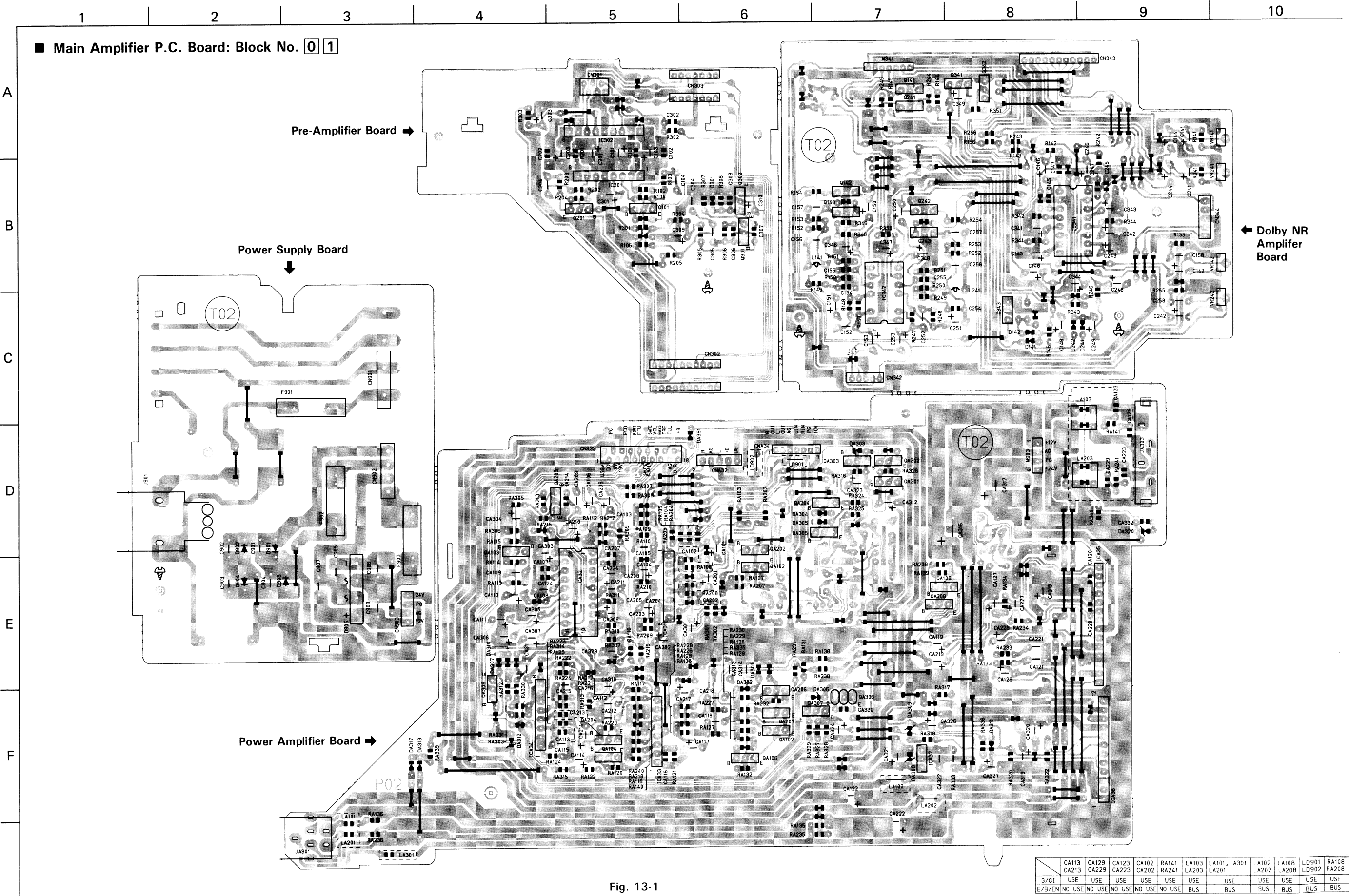
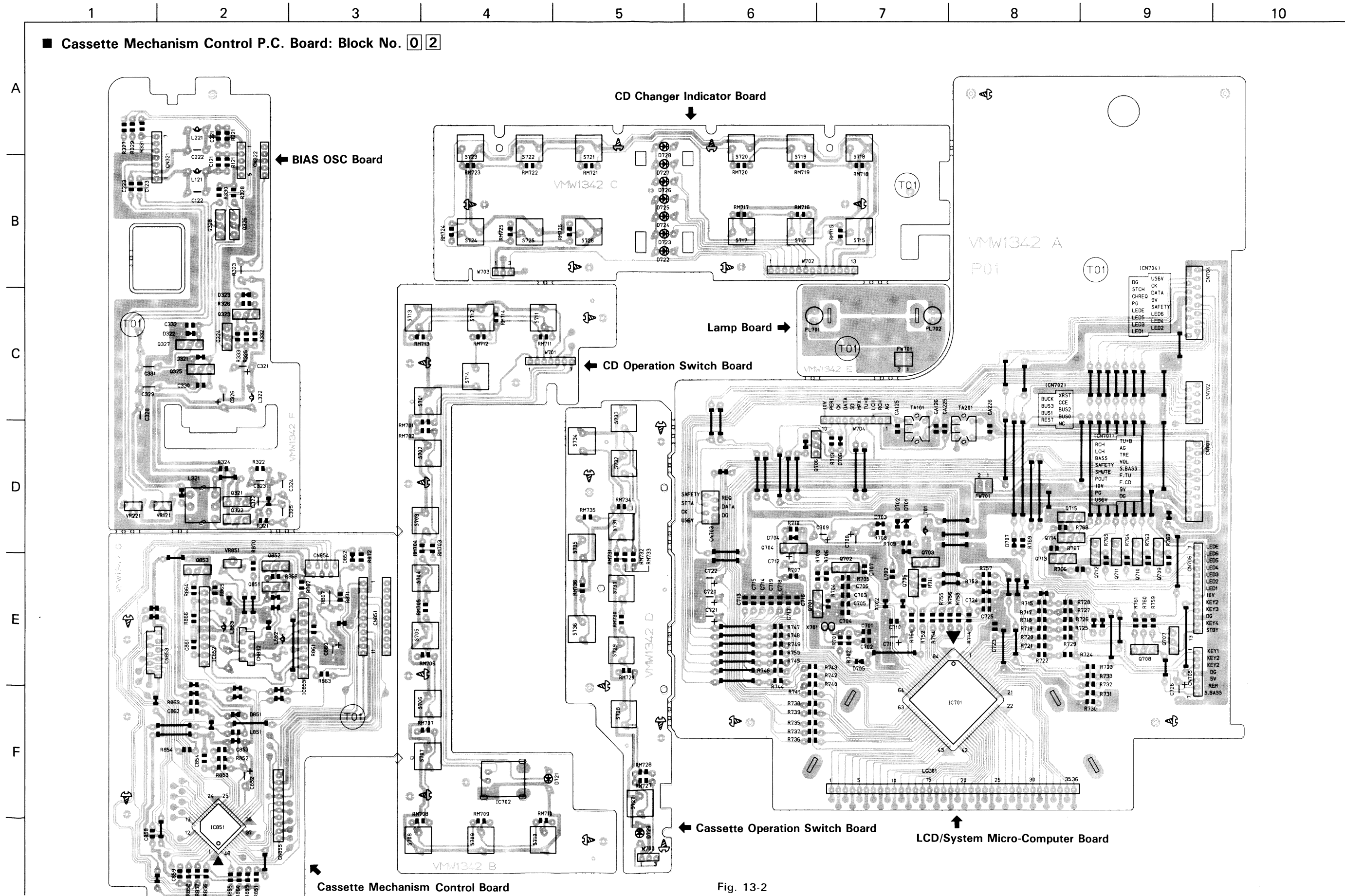


Fig. 13-1



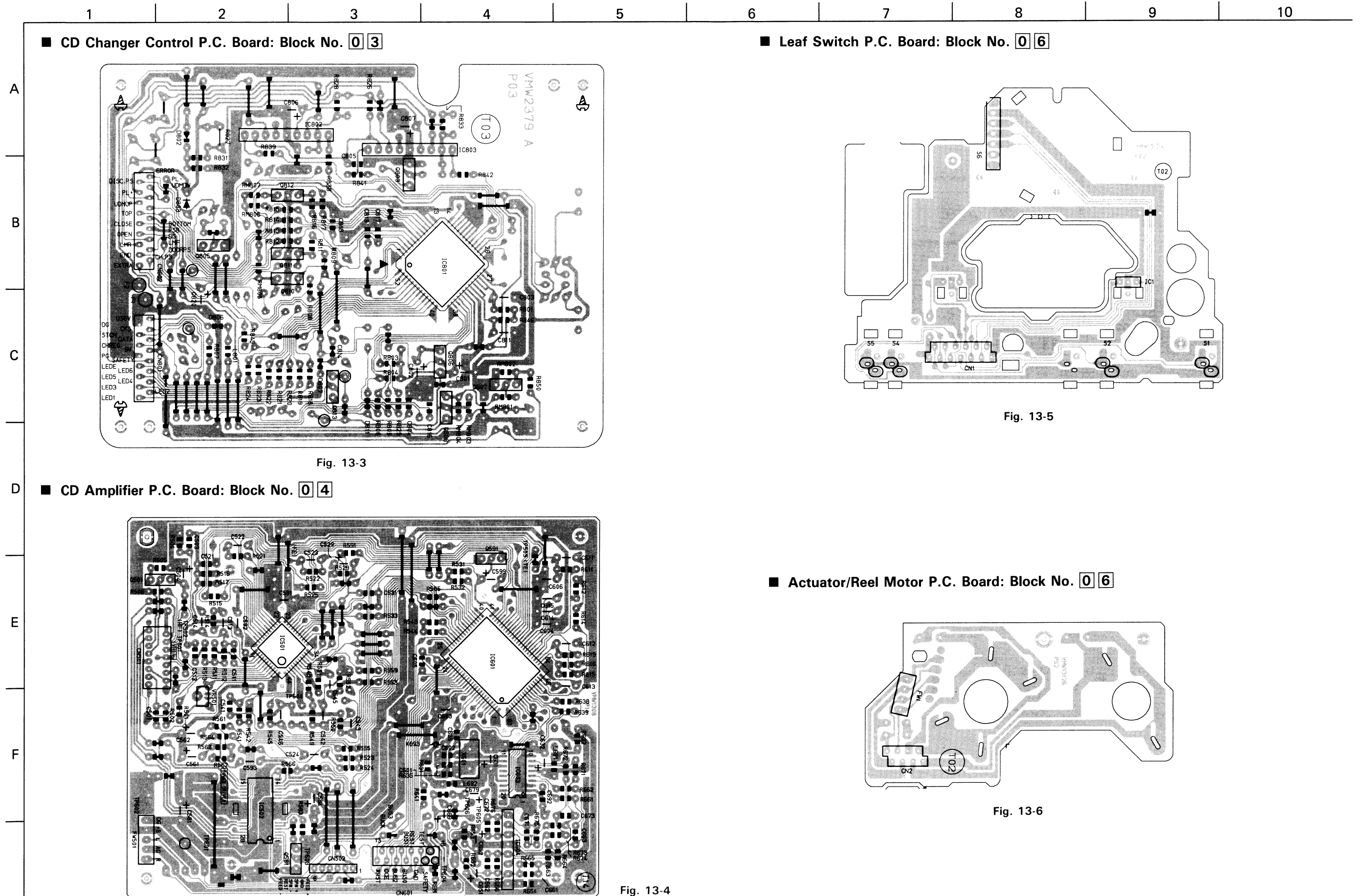
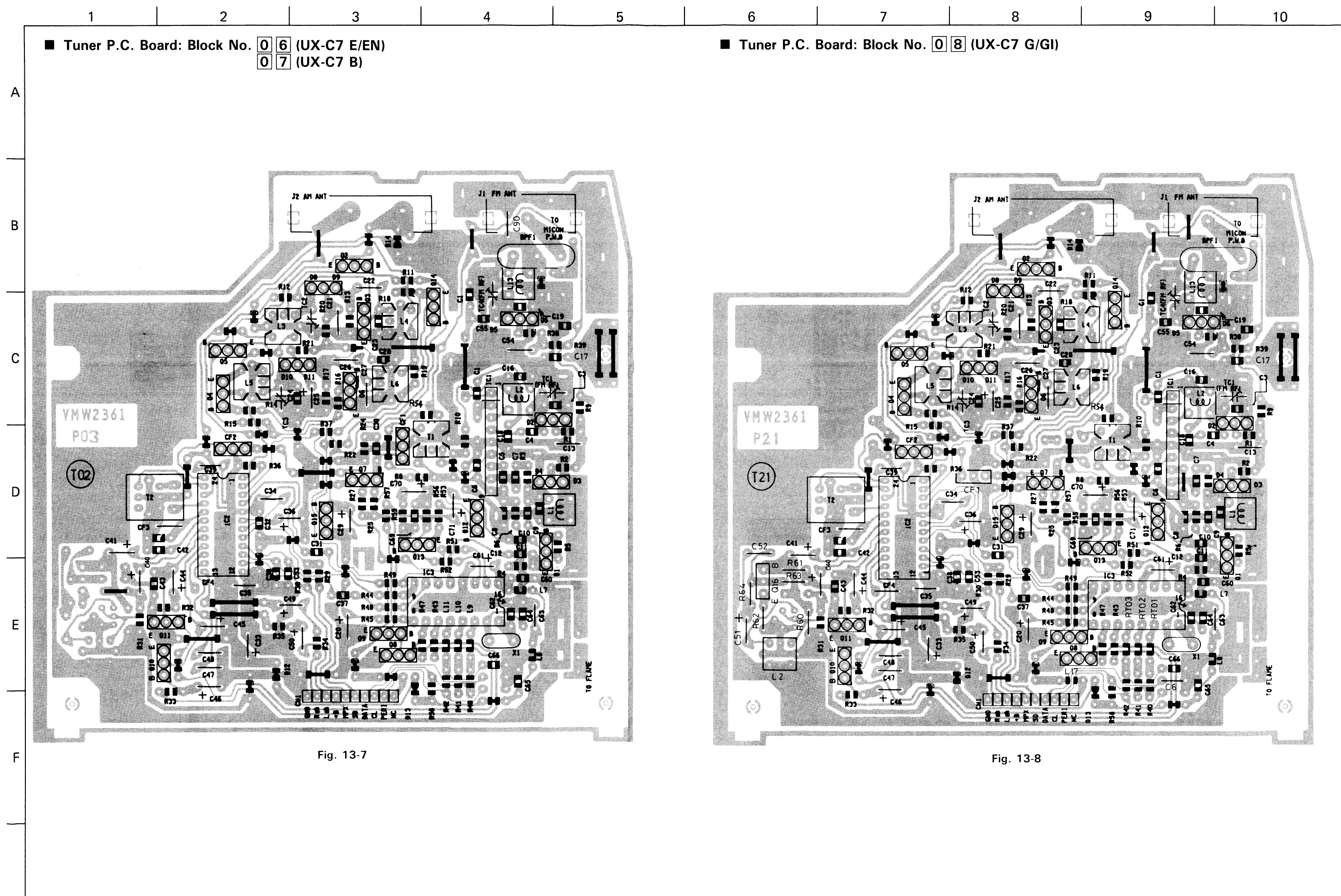


Fig. 13-3

Fig. 13-5

Fig. 13-4

Fig. 13-6



BLOCK NO. 01

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|----------------|----------------|----------------|--------|
| CA118 | QFV41HJ-224 | FILM CAPACITOR | .22MF 5% 50V | |
| CA119 | QEK41HM-225 | E.CAPACITOR | 2.2MF 20% 50V | |
| CA120 | QCB81HK-331Y | C.CAPACITOR | 330PF 10% 50V | |
| CA121 | QCC11EM-104V | C.CAPACITOR | .10MF 20% 25V | |
| CA122 | QETB1CM-228N | E.CAPACITOR | 2200MF 20% 16V | |
| CA124 | QCX81CM-392Y | C.CAPACITOR | 3900PF 20% 16V | |
| CA127 | QETC1EM-476ZN | E.CAPACITOR | 47MF 20% 25V | |
| CA128 | QETC1HM-476ZN | E.CAPACITOR | 47MF 20% 50V | |
| CA201 | QETN1HM-335Z | E CAPACITOR | 3.3MF 20% 50V | |
| CA203 | QCS11HJ-330 | C.CAPACITOR | 33PF 5% 50V | |
| CA204 | QETN1HM-335Z | E CAPACITOR | 3.3MF 20% 50V | |
| CA205 | QFV71HJ-683ZM | FILM CAPACITOR | .068MF 5% 50V | |
| CA206 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| CA207 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| CA208 | QFV41HJ-333 | FILM CAPACITOR | .033MF 5% 50V | |
| CA209 | QFV71HJ-683ZM | FILM CAPACITOR | .068MF 5% 50V | |
| CA210 | QETN1HM-224Z | E CAPACITOR | .22MF 20% 50V | |
| CA211 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| CA212 | QFV71HJ-683ZM | FILM CAPACITOR | .068MF 5% 50V | |
| CA214 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| CA215 | QFV11HJ-393AZM | FILM CAPACITOR | .039MF 5% 50V | |
| CA216 | QCS11HJ-330 | C.CAPACITOR | 33PF 5% 50V | |
| CA217 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |
| CA218 | QFV41HJ-224 | FILM CAPACITOR | .22MF 5% 50V | |
| CA219 | QEK41HM-225 | E.CAPACITOR | 2.2MF 20% 50V | |
| CA220 | QCB81HK-331Y | C.CAPACITOR | 330PF 10% 50V | |
| CA221 | QCC11EM-104V | C.CAPACITOR | .10MF 20% 25V | |
| CA222 | QETB1CM-228N | E.CAPACITOR | 2200MF 20% 16V | |
| CA224 | QCX81CM-392Y | C.CAPACITOR | 3900PF 20% 16V | |
| CA227 | QETC1EM-476ZN | E.CAPACITOR | 47MF 20% 25V | |
| CA228 | QETC1HM-476ZN | E.CAPACITOR | 47MF 20% 50V | |
| CA301 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |
| CA302 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |
| CA303 | QETN1CM-476Z | E CAPACITOR | 47MF 20% 16V | |
| CA304 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |
| CA305 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| CA306 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| CA307 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| CA308 | QETN1HM-474Z | E CAPACITOR | .47MF 20% 50V | |
| CA310 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |
| CA311 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| CA312 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| CA313 | QFV11HJ-393AZM | FILM CAPACITOR | .039MF 5% 50V | |
| CA314 | QFV11HJ-393AZM | FILM CAPACITOR | .039MF 5% 50V | |
| CA315 | QETC1VM-227ZN | E.CAPACITOR | 220MF 20% 35V | |
| CA316 | QETB1EM-338N | E.CAPACITOR | 3300MF 20% 25V | |
| CA317 | QETB1VM-228N | E.CAPACITOR | 2200MF 20% 35V | |
| CA319 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| CA320 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| CA321 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| CA322 | QFV41HJ-104 | FILM CAPACITOR | .10MF 5% 50V | |
| CA323 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| CA324 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| CA326 | QETN1HM-474Z | E CAPACITOR | .47MF 20% 50V | |
| CA327 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |

BLOCK NO. 01

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|--------------|-------------|-----------------|--------|
| CA329 | QETN1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| CA330 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| CA332 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| CNA32 | QMV5012-005 | CONNECTOR | TO CD | |
| CNA33 | VMC0163-R18 | CONNECTOR | TO MICOM | |
| CNA34 | VMC0075-R07N | CONNECTOR | TO DECK | |
| CN301 | VMC0163-R06 | CONNECTOR | | |
| CN302 | VMC0289-S10 | CONNECTOR | | |
| CN303 | VMC0289-S07 | CONNECTOR | | |
| CN321 | VMC0289-P07 | CONNECTOR | | |
| CN322 | VMC0289-S05 | CONNECTOR | | |
| CN342 | VMC0289-P05 | CONNECTOR | | |
| CN343 | VMC0289-P11 | CONNECTOR | | |
| CN344 | VMC0041-005 | CONNECTOR | FOR DOLBY CHECK | |
| CN701 | VMC0163-R18 | CONNECTOR | | |
| CN702 | VMC0163-R09 | CONNECTOR | | |
| CN703 | VMC0163-R07 | CONNECTOR | | |
| CN704 | VMC0163-R16 | CONNECTOR | | |
| CN705 | VMC0075-R07N | CONNECTOR | | |
| CN706 | VMC0075-R13N | CONNECTOR | | |
| CN851 | VMC0289-S11 | CONNECTOR | | |
| CN852 | VMC0234-P08 | CONNECTOR | | |
| CN853 | VMC0234-P11 | CONNECTOR | | |
| CN854 | VMC0163-R07 | CONNECTOR | | |
| CN855 | VMC0289-P10 | CONNECTOR | | |
| CN901 | VM20076-002A | CONNECTOR | TO TRANS | |
| CN902 | VM20076-004 | CONNECTOR | FROM TRANS | |
| CN903 | VMC0041-004 | CONNECTOR | TO AMP | |
| D 141 | 1SS133 | SI DIODE | | |
| D 142 | 1SS133 | SI DIODE | | |
| D 241 | 1SS133 | SI DIODE | | |
| D 242 | 1SS133 | SI DIODE | | |
| D 301 | 1SS133 | SI DIODE | | |
| D 321 | 1SS133 | SI DIODE | | |
| D 322 | 1SS133 | SI DIODE | | |
| D 323 | 1SS133 | SI DIODE | | |
| D 701 | MTZ4.7JB | Z DIODE I/M | | |
| D 702 | 1SS133 | SI DIODE | | |
| D 704 | 1SS133 | SI DIODE | | |
| D 705 | 1SS133 | SI DIODE | | |
| D 706 | 1SS133 | SI DIODE | | |
| D 707 | 1SS133 | SI DIODE | | |
| D 851 | 1SS133 | SI DIODE | | |
| D 852 | 1SS133 | SI DIODE | | |
| D 901 | 1SR35-100A | SI DIODE | | |
| D 902 | 1SR35-100A | SI DIODE | | |
| D 903 | 1SR35-100A | SI DIODE | | |
| D 904 | 1SR35-100A | SI DIODE | | |
| D 905 | D2SBA204003 | S DIODE | | |
| DA301 | RB721Q | DIODE | | |
| DA302 | RB721Q | DIODE | | |
| DA303 | MTZ5.6JA | ZENER DIODE | | |
| DA304 | 1SS133 | SI DIODE | | |
| DA305 | 1SS133 | SI DIODE | | |
| DA306 | MTZ5.1JB | ZENER DIODE | | |

BLOCK NO. 01

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|---------------|-----------------|------------|--------|
| DA307 | 1SS133 | SI DIODE | | |
| DA308 | MT28.2JB | ZENER DIODE | | |
| DA309 | MT29.1JA | ZENER DIODE | | |
| DA310 | 1SS133 | SI DIODE | | |
| DA311 | 1SS133 | SI DIODE | | |
| DA312 | MT29.1JC | ZENER DIODE | | |
| DA317 | 1SS133 | SI DIODE | | |
| DA318 | 1SS133 | SI DIODE | | |
| DA319 | 1SS133 | SI DIODE | | |
| DA320 | MT212JB | ZENER DIODE | | |
| ICA31 | VC4580L | IC | FUNCTION | |
| ICA32 | TA8184P | IC | VOL/TONE | |
| ICA33 | BA15218N | IC | BASS BOOST | |
| ICA34 | VC4580L | IC | BASS BOOST | |
| ICA35 | LA4450 | IC | POWER AMP | |
| ICA36 | BA3960 | IC | REGULATOR | |
| ICA37 | UPC78L06J | IC | US6V | |
| IC301 | UPC1228HA | IC | | |
| IC302 | UPC1330HA | IC | | |
| IC341 | HA12134A | IC | | |
| IC342 | LA3220 | IC | | |
| IC701 | MN171603JJJ | IC | | |
| IC851 | LZ93D72 | IC | | |
| IC852 | TA8409S | IC | | |
| IC853 | TA8409S | IC | | |
| J 901 | QMC0263-004 | AC SOCKET | AC IN | |
| JA301 | VMJ4024-001 | JACK | HEAD PHONE | |
| JA303 | EMB90TV-404A | SPK TERMINAL | | |
| L 121 | VQP0001-183 | INDUCTOR | | |
| L 141 | VQP0001-562ZS | INDUCTOR | | |
| L 221 | VQP0001-183 | INDUCTOR | | |
| L 241 | VQP0001-562ZS | INDUCTOR | | |
| L 321 | VQH1008-055 | OSC COIL (BIAS) | | |
| L 322 | VQP0028-100Z | INDUCTOR | | |
| L 701 | VQ70048-009 | INDUCTOR | | |
| L 702 | VQP0018-221 | INDUCTOR | | |
| L 851 | VQP0018-100 | INDUCTOR | | |
| Q 101 | DTC144TS | TRANSISTOR | | |
| Q 141 | 2SC2001(L,K) | TRANSISTOR | | |
| Q 142 | 2SC2001(L,K) | TRANSISTOR | | |
| Q 143 | DTC144TS | TRANSISTOR | | |
| Q 201 | DTC144TS | TRANSISTOR | | |
| Q 241 | 2SC2001(L,K) | TRANSISTOR | | |
| Q 242 | 2SC2001(L,K) | TRANSISTOR | | |
| Q 243 | DTC144TS | TRANSISTOR | | |
| Q 301 | 2SC2785 | TRANSISTOR | | |
| Q 302 | 2SC2785 | TRANSISTOR | | |
| Q 321 | 2SC2001(L,K) | TRANSISTOR | | |
| Q 322 | 2SC2001(L,K) | TRANSISTOR | | |
| Q 323 | 2SC2785 | TRANSISTOR | | |
| Q 324 | 2SC2001(L,K) | TRANSISTOR | | |
| Q 325 | 2SC1845 | TRANSISTOR | | |
| Q 326 | 2SC2785 | TRANSISTOR | | |
| Q 327 | 2SC1845 | TRANSISTOR | | |
| Q 328 | 2SC2785 | TRANSISTOR | | |

BLOCK NO. 01

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|-------------|------------------|--------------|--------|
| Q 341 | DTA144ES | TRANSISTOR | | |
| Q 342 | DTC144ES | TRANSISTOR | | |
| Q 343 | DTC144TS | TRANSISTOR | | |
| Q 701 | 2SC2668(O) | TRANSISTOR | | |
| Q 702 | 2SC2668(O) | TRANSISTOR | | |
| Q 703 | DTC114TS | TRANSISTOR | | |
| Q 704 | 2SC2785 | TRANSISTOR | | |
| Q 705 | DTA114TS | TRANSISTOR | | |
| Q 706 | DTC144TS | TRANSISTOR | | |
| Q 707 | 2SC2785 | TRANSISTOR | LED STBY | |
| Q 708 | 2SC2785 | TRANSISTOR | LED 1 ASS | |
| Q 709 | 2SC2785 | TRANSISTOR | LED 1 | |
| Q 710 | 2SC2785 | TRANSISTOR | LED 2 | |
| Q 711 | 2SC2785 | TRANSISTOR | LED 3 | |
| Q 712 | 2SC2785 | TRANSISTOR | LED 4 | |
| Q 713 | 2SC2785 | TRANSISTOR | LED 5 | |
| Q 714 | 2SC2785 | TRANSISTOR | LED 6 | |
| Q 715 | 2SC2785 | TRANSISTOR | LED EXTRA | |
| Q 851 | 2SA952(L,K) | TRANSISTOR | | |
| Q 852 | DTC144ES | TRANSISTOR | | |
| Q 853 | DTC144ES | TRANSISTOR | | |
| QA102 | 2SC2785 | TRANSISTOR | | |
| QA103 | 2SC2785 | TRANSISTOR | | |
| QA104 | 2SK301(P,Q) | TRANSISTOR (FET) | | |
| QA106 | 2SD1302 | TRANSISTOR | | |
| QA107 | 2SD1302 | TRANSISTOR | | |
| QA108 | 2SD1302 | TRANSISTOR | | |
| QA202 | 2SC2785 | TRANSISTOR | | |
| QA203 | 2SC2785 | TRANSISTOR | | |
| QA204 | 2SK301(P,Q) | TRANSISTOR (FET) | | |
| QA206 | 2SD1302 | TRANSISTOR | | |
| QA207 | 2SD1302 | TRANSISTOR | | |
| QA208 | 2SD1302 | TRANSISTOR | | |
| QA301 | DTA143ES | TRANSISTOR | | |
| QA302 | DTC115ES | TRANSISTOR | | |
| QA303 | DTC115ES | TRANSISTOR | | |
| QA304 | 2SA1175 | TRANSISTOR | | |
| QA305 | 2SC2785 | TRANSISTOR | | |
| QA306 | 2SB772(Q,P) | TRANSISTOR | | |
| QA307 | 2SC2785 | TRANSISTOR | | |
| QA308 | DTC143ES | TRANSISTOR | | |
| R 101 | QRD161J-680 | CARBON RESISTOR | 68 5% 1/6W | |
| R 102 | QRD161J-224 | CARBON RESISTOR | 220K 5% 1/6W | |
| R 103 | QRD167J-682 | CARBON RESISTOR | 6.8K 5% 1/6W | |
| R 104 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| R 105 | QRD161J-122 | CARBON RESISTOR | 1.2K 5% 1/6W | |
| R 121 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 141 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 142 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 143 | QRD161J-184 | CARBON RESISTOR | 180K 5% 1/6W | |
| R 144 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 145 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 146 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 147 | QRD161J-153 | CARBON RESISTOR | 15K 5% 1/6W | |
| R 148 | QRD161J-153 | CARBON RESISTOR | 15K 5% 1/6W | |

14. Electrical Parts List

■ Main Amplifier P.C. Board

BLOCK NO. 01

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|---------------|----------------|----------------|--------|
| C 101 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 102 | QCB81HK-681Y | C.CAPACITOR | 680PF 10% 50V | |
| C 103 | QEK41HM-225 | E.CAPACITOR | 2.2MF 20% 50V | |
| C 104 | QFV71HJ-103 | FILM CAPACITOR | .010MF 5% 50V | |
| C 121 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 122 | QCS32HJ-151ZV | C.CAPACITOR | 150PF 5% 500V | |
| C 123 | QCB81HK-331Y | C.CAPACITOR | 330PF 10% 50V | |
| C 141 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 142 | QETN1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 143 | QEK41HM-224 | E.CAPACITOR | .22MF 20% 50V | |
| C 144 | QETN1HM-474Z | E CAPACITOR | .47MF 20% 50V | |
| C 145 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 146 | QETN1HM-474Z | E CAPACITOR | .47MF 20% 50V | |
| C 147 | QCB81HK-471Y | C.CAPACITOR | 470PF 10% 50V | |
| C 148 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 149 | QEK41HM-474 | E.CAPACITOR | .47MF 20% 50V | |
| C 150 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 151 | QETN1HM-475Z | E CAPACITOR | 4.7MF 20% 50V | |
| C 152 | QCC11EM-104V | C.CAPACITOR | .10MF 20% 25V | |
| C 153 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 154 | QCVB1CM-222Y | C.CAPACITOR | 2200PF 20% 16V | |
| C 155 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 156 | QFV41HJ-153ZM | FILM CAPACITOR | .015MF 5% 50V | |
| C 157 | QFV81HJ-273 | FILM CAPACITOR | .027MF 5% 50V | |
| C 158 | QFV41HJ-153ZM | FILM CAPACITOR | .015MF 5% 50V | |
| C 201 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 202 | QCB81HK-681Y | C.CAPACITOR | 680PF 10% 50V | |
| C 203 | QEK41HM-225 | E.CAPACITOR | 2.2MF 20% 50V | |
| C 204 | QFV71HJ-103 | FILM CAPACITOR | .010MF 5% 50V | |
| C 221 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 222 | QCS32HJ-151ZV | C.CAPACITOR | 150PF 5% 500V | |
| C 223 | QCB81HK-331Y | C.CAPACITOR | 330PF 10% 50V | |
| C 241 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 242 | QETN1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 243 | QEK41HM-224 | E.CAPACITOR | .22MF 20% 50V | |
| C 244 | QETN1HM-474Z | E CAPACITOR | .47MF 20% 50V | |
| C 245 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 246 | QETN1HM-474Z | E CAPACITOR | .47MF 20% 50V | |
| C 247 | QCB81HK-471Y | C.CAPACITOR | 470PF 10% 50V | |
| C 248 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 249 | QEK41HM-474 | E.CAPACITOR | .47MF 20% 50V | |
| C 250 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 251 | QETN1HM-475Z | E CAPACITOR | 4.7MF 20% 50V | |
| C 252 | QCC11EM-104V | C.CAPACITOR | .10MF 20% 25V | |
| C 253 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 254 | QCVB1CM-222Y | C.CAPACITOR | 2200PF 20% 16V | |
| C 255 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 256 | QFV41HJ-153ZM | FILM CAPACITOR | .015MF 5% 50V | |
| C 257 | QFV81HJ-273 | FILM CAPACITOR | .027MF 5% 50V | |
| C 258 | QFV41HJ-153ZM | FILM CAPACITOR | .015MF 5% 50V | |
| C 301 | QEK41CM-226 | E.CAPACITOR | 22MF 20% 16V | |
| C 302 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 303 | QEK41CM-226 | E.CAPACITOR | 22MF 20% 16V | |
| C 304 | QFV71HJ-103 | FILM CAPACITOR | .010MF 5% 50V | |
| C 305 | QFV41HJ-153ZM | FILM CAPACITOR | .015MF 5% 50V | |

BLOCK NO. 01

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|----------------|----------------|-----------------|--------|
| C 306 | QCS11HJ-330 | C.CAPACITOR | 33PF 5% 50V | |
| C 307 | QCVB1CM-182Y | C.CAPACITOR | 1800PF 20% 16V | |
| C 308 | QCB81HK-681Y | C.CAPACITOR | 680PF 10% 50V | |
| C 309 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 310 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| C 321 | QETN1CM-476Z | E CAPACITOR | 47MF 20% 16V | |
| C 322 | QFN41HJ-682 | M CAPACITOR | 6800PF 5% 50V | |
| C 323 | QFN81HJ-562 | M.CAPACITOR | 5600PF 5% 50V | |
| C 324 | QFN41HJ-682 | M CAPACITOR | 6800PF 5% 50V | |
| C 325 | QFN81HJ-562 | M.CAPACITOR | 5600PF 5% 50V | |
| C 326 | QETN1CM-476Z | E CAPACITOR | 47MF 20% 16V | |
| C 328 | QFP32AJ-153ZM | PP.CAPACITOR | .015MF 5% 100V | |
| C 329 | QFN81HJ-152 | M.CAPACITOR | 1500PF 5% 50V | |
| C 330 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 331 | QFN41HJ-332 | M CAPACITOR | 3300PF 5% 50V | |
| C 332 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 341 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 342 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 343 | QETN1HM-225Z | E CAPACITOR | 2.2MF 20% 50V | |
| C 344 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |
| C 346 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| C 347 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |
| C 348 | QETN1AM-107Z | E CAPACITOR | 100MF 20% 10V | |
| C 349 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 852 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 853 | QCVB1CM-272Y | C.CAPACITOR | 2700PF 20% 16V | |
| C 854 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 858 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 859 | QCS11HJ-470 | C.CAPACITOR | 47PF 5% 50V | |
| C 860 | QETC1AM-108ZN | E.CAPACITOR | 1000MF 20% 10V | |
| C 861 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 862 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 901 | QCF11HP-223 | C.CAPACITOR | .022MF +100:-0% | |
| C 902 | QCF11HP-223 | C.CAPACITOR | .022MF +100:-0% | |
| C 903 | QCF11HP-223 | C.CAPACITOR | .022MF +100:-0% | |
| C 904 | QCF11HP-223 | C.CAPACITOR | .022MF +100:-0% | |
| C 905 | QCF11HP-223 | C.CAPACITOR | .022MF +100:-0% | |
| C 906 | QCF11HP-223 | C.CAPACITOR | .022MF +100:-0% | |
| C 907 | QCF11HP-223 | C.CAPACITOR | .022MF +100:-0% | |
| C 908 | QCF11HP-223 | C.CAPACITOR | .022MF +100:-0% | |
| CA101 | QETN1HM-335Z | E CAPACITOR | 3.3MF 20% 50V | |
| CA103 | QCS11HJ-330 | C.CAPACITOR | 33PF 5% 50V | |
| CA104 | QETN1HM-335Z | E CAPACITOR | 3.3MF 20% 50V | |
| CA105 | QFV71HJ-683ZM | FILM CAPACITOR | .068MF 5% 50V | |
| CA106 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| CA107 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| CA108 | QFV41HJ-333 | FILM CAPACITOR | .033MF 5% 50V | |
| CA109 | QFV71HJ-683ZM | FILM CAPACITOR | .068MF 5% 50V | |
| CA110 | QETN1HM-224Z | E CAPACITOR | .22MF 20% 50V | |
| CA111 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| CA112 | QFV71HJ-683ZM | FILM CAPACITOR | .068MF 5% 50V | |
| CA114 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| CA115 | QFV11HJ-393AZM | FILM CAPACITOR | .039MF 5% 50V | |
| CA116 | QCS11HJ-330 | C.CAPACITOR | 33PF 5% 50V | |
| CA117 | QETN1HM-226Z | E CAPACITOR | 22MF 20% 50V | |

BLOCK NO. 01

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|--------------|-----------------|--------------|--------|
| R 149 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| R 150 | QRD161J-182 | CARBON RESISTOR | 1.8K 5% 1/6W | |
| R 151 | QRD161J-151 | CARBON RESISTOR | 150 5% 1/6W | |
| R 152 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 153 | QRD161J-182 | CARBON RESISTOR | 1.8K 5% 1/6W | |
| R 154 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 155 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| R 156 | QRD161J-393 | CARBON RESISTOR | 39K 5% 1/6W | |
| R 201 | QRD161J-680 | CARBON RESISTOR | 68 5% 1/6W | |
| R 202 | QRD161J-224 | CARBON RESISTOR | 220K 5% 1/6W | |
| R 203 | QRD167J-682 | CARBON RESISTOR | 6.8K 5% 1/6W | |
| R 204 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| R 205 | QRD161J-122 | CARBON RESISTOR | 1.2K 5% 1/6W | |
| R 221 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 241 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 242 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 243 | QRD161J-184 | CARBON RESISTOR | 180K 5% 1/6W | |
| R 244 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 245 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 246 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 247 | QRD161J-153 | CARBON RESISTOR | 15K 5% 1/6W | |
| R 248 | QRD161J-153 | CARBON RESISTOR | 15K 5% 1/6W | |
| R 249 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| R 250 | QRD161J-182 | CARBON RESISTOR | 1.8K 5% 1/6W | |
| R 251 | QRD161J-151 | CARBON RESISTOR | 150 5% 1/6W | |
| R 252 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 253 | QRD161J-182 | CARBON RESISTOR | 1.8K 5% 1/6W | |
| R 254 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 255 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| R 256 | QRD161J-393 | CARBON RESISTOR | 39K 5% 1/6W | |
| R 301 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| R 302 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 303 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| R 304 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| R 305 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 306 | QRD161J-225 | CARBON RESISTOR | 2.2M 5% 1/6W | |
| R 307 | QRD167J-121 | CARBON RESISTOR | 120 5% 1/6W | |
| R 308 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| R 321 | QRD161J-273 | CARBON RESISTOR | 27K 5% 1/6W | |
| R 322 | QRD161J-273 | CARBON RESISTOR | 27K 5% 1/6W | |
| R 323 | QRZ0077-150X | FUSE RESISTOR | 15 1/0W | |
| R 324 | QRD161J-3R3 | CARBON RESISTOR | 3.3 5% 1/6W | |
| R 325 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| R 326 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 327 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 328 | QRD161J-152 | CARBON RESISTOR | 1.5K 5% 1/6W | |
| R 329 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 330 | QRD161J-152 | CARBON RESISTOR | 1.5K 5% 1/6W | |
| R 331 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 332 | QRD161J-181 | CARBON RESISTOR | 180 5% 1/6W | |
| R 333 | QRD161J-181 | CARBON RESISTOR | 180 5% 1/6W | |
| R 341 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 342 | QRD161J-183 | CARBON RESISTOR | 18K 5% 1/6W | |
| R 343 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| R 344 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |

BLOCK NO. 01

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|--------------|-----------------|--------------|--------|
| R 348 | QRD161J-475 | CARBON RESISTOR | 4.7M 5% 1/6W | |
| R 349 | QRD161J-475 | CARBON RESISTOR | 4.7M 5% 1/6W | |
| R 350 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| R 351 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 851 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 852 | QRD161J-684 | CARBON RESISTOR | 680K 5% 1/6W | |
| R 853 | QRD161J-224 | CARBON RESISTOR | 220K 5% 1/6W | |
| R 854 | QRD161J-392 | CARBON RESISTOR | 3.9K 5% 1/6W | |
| R 855 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| R 856 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| R 857 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| R 858 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| R 859 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 860 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 861 | QRD161J-203 | CARBON RESISTOR | 20K 5% 1/6W | |
| R 862 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 863 | QRD161J-151 | CARBON RESISTOR | 150 5% 1/6W | |
| R 864 | QRD167J-682 | CARBON RESISTOR | 6.8K 5% 1/6W | |
| R 865 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 866 | QRD161J-563 | CARBON RESISTOR | 56K 5% 1/6W | |
| R 867 | QRZ0076-120X | FUSE RESISTOR | 12 1/0W | |
| R 868 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 869 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| R 870 | QRD161J-822 | CARBON RESISTOR | 8.2K 5% 1/6W | |
| R 871 | QRD167J-682 | CARBON RESISTOR | 6.8K 5% 1/6W | |
| R 872 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| RA103 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| RA104 | QRD161J-273 | CARBON RESISTOR | 27K 5% 1/6W | |
| RA105 | QRD167J-682 | CARBON RESISTOR | 6.8K 5% 1/6W | |
| RA107 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| RA109 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| RA110 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| RA112 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| RA113 | QRD161J-683 | CARBON RESISTOR | 68K 5% 1/6W | |
| RA114 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| RA115 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| RA116 | QRD161J-822 | CARBON RESISTOR | 8.2K 5% 1/6W | |
| RA117 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| RA118 | QRD161J-334 | CARBON RESISTOR | 330K 5% 1/6W | |
| RA120 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| RA121 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| RA122 | QRD161J-105 | CARBON RESISTOR | 1.0M 5% 1/6W | |
| RA123 | QRD161J-274 | CARBON RESISTOR | 270K 5% 1/6W | |
| RA124 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| RA126 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| RA127 | QRD161J-391 | CARBON RESISTOR | 390 5% 1/6W | |
| RA128 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| RA129 | QRD161J-475 | CARBON RESISTOR | 4.7M 5% 1/6W | |
| RA130 | QRD161J-475 | CARBON RESISTOR | 4.7M 5% 1/6W | |
| RA131 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| RA132 | QRD161J-474 | CARBON RESISTOR | 470K 5% 1/6W | |
| RA133 | QRD161J-2R2 | CARBON RESISTOR | 2.2 5% 1/6W | |
| RA134 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| RA135 | QRD161J-271 | CARBON RESISTOR | 270 5% 1/6W | |
| RA136 | QRD161J-151 | CARBON RESISTOR | 150 5% 1/6W | |

| A | REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|---|-------|-------------|-----------------|--------------|--------|
| | RA138 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | G,GI |
| | RA139 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| | RA140 | QRD161J-273 | CARBON RESISTOR | 27K 5% 1/6W | |
| | RA203 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | RA204 | QRD161J-273 | CARBON RESISTOR | 27K 5% 1/6W | |
| | RA205 | QRD167J-682 | CARBON RESISTOR | 6.8K 5% 1/6W | |
| | RA207 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| | RA209 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | RA210 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| | RA212 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| | RA213 | QRD161J-683 | CARBON RESISTOR | 68K 5% 1/6W | |
| | RA214 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | RA215 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | RA216 | QRD161J-822 | CARBON RESISTOR | 8.2K 5% 1/6W | |
| | RA217 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| | RA218 | QRD161J-334 | CARBON RESISTOR | 330K 5% 1/6W | G,GI |
| | RA220 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | RA221 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | RA222 | QRD161J-105 | CARBON RESISTOR | 1.0M 5% 1/6W | |
| | RA223 | QRD161J-274 | CARBON RESISTOR | 270K 5% 1/6W | |
| | RA224 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| | RA226 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | RA227 | QRD161J-391 | CARBON RESISTOR | 390 5% 1/6W | |
| | RA228 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| | RA229 | QRD161J-475 | CARBON RESISTOR | 4.7M 5% 1/6W | |
| | RA230 | QRD161J-475 | CARBON RESISTOR | 4.7M 5% 1/6W | |
| | RA231 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | RA232 | QRD161J-474 | CARBON RESISTOR | 470K 5% 1/6W | |
| | RA233 | QRD161J-2R2 | CARBON RESISTOR | 2.2 5% 1/6W | |
| | RA234 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| | RA235 | QRD161J-271 | CARBON RESISTOR | 270 5% 1/6W | G,GI |
| | RA236 | QRD161J-151 | CARBON RESISTOR | 150 5% 1/6W | |
| | RA238 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | RA239 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| | RA240 | QRD161J-273 | CARBON RESISTOR | 27K 5% 1/6W | |
| | RA301 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | RA302 | QRD161J-393 | CARBON RESISTOR | 39K 5% 1/6W | |
| | RA303 | QRD161J-470 | CARBON RESISTOR | 47 5% 1/6W | |
| | RA305 | QRD161J-823 | CARBON RESISTOR | 82K 5% 1/6W | |
| | RA306 | QRD161J-273 | CARBON RESISTOR | 27K 5% 1/6W | |
| | RA307 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | RA308 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | RA309 | QRD161J-333 | CARBON RESISTOR | 33K 5% 1/6W | |
| | RA310 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| | RA311 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| | RA312 | QRD167J-4R7 | CARBON RESISTOR | 4.7 5% 1/6W | |
| | RA313 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | RA314 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | RA315 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| | RA316 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| | RA317 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| | RA318 | QRD161J-221 | CARBON RESISTOR | 220 5% 1/6W | |
| | RA320 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| | RA321 | QRD161J-183 | CARBON RESISTOR | 18K 5% 1/6W | |
| | RA322 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |

[illegible]

■ Cassette mechanism Control P.C. Board

BLOCK NO. 02 [] [] [] [] []

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|----------------|-------------|-----------------|--------|
| C 701 | QCS11HJ-220 | C.CAPACITOR | 22PF 5% 50V | |
| C 702 | QCS11HJ-220 | C.CAPACITOR | 22PF 5% 50V | |
| C 703 | QCS11HJ-470 | C.CAPACITOR | 47PF 5% 50V | |
| C 704 | QCS11HJ-330 | C.CAPACITOR | 33PF 5% 50V | |
| C 705 | QCS11HJ-330 | C.CAPACITOR | 33PF 5% 50V | |
| C 706 | QCS11HJ-470 | C.CAPACITOR | 47PF 5% 50V | |
| C 707 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 708 | QETMOJM-228 | E CAPACITOR | 2200MF 20% 6.3V | |
| C 709 | QETN1HM-106Z | E CAPACITOR | 10MF 20% 50V | |
| C 710 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 711 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 712 | QETN1HM-105Z | E CAPACITOR | 1.0MF 20% 50V | |
| C 713 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 714 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 715 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 716 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 717 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 718 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 719 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 720 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 721 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 722 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 723 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 724 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 725 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 726 | QETN1CM-476Z | E CAPACITOR | 47MF 20% 16V | |
| CA125 | QCXB1CM-122Y | C.CAPACITOR | 1200PF 20% 16V | |
| CA126 | QCXB1CM-332Y | C.CAPACITOR | 3300PF 20% 16V | |
| CA225 | QCXB1CM-122Y | C.CAPACITOR | 1200PF 20% 16V | |
| CA226 | QCXB1CM-332Y | C.CAPACITOR | 3300PF 20% 16V | |
| CN801 | VMC0163-R16 | CONNECTOR | TO MICOM | |
| CN802 | VMC0163-R18 | CONNECTOR | TO CD MECHA | |
| D 721 | GL-3PR8 | LED | HYPER-BASS | |
| D 722 | SLZ-381F09-T6 | LED | LED EXTRA | |
| D 723 | SLZ-981A09-T6 | LED | LED 6 | |
| D 724 | SLZ-981A09-T6 | LED | LED 5 | |
| D 725 | SLZ-981A09-T6 | LED | LED 4 | |
| D 726 | SLZ-981A09-T6 | LED | LED 3 | |
| D 727 | SLZ-981A09-T6 | LED | LED 2 | |
| D 728 | SLZ-981A09-T6 | LED | LED 1 | |
| D 729 | LN282RPX | LED | POWER STANDBY | |
| D 802 | 1SS133 | SI DIODE | | |
| D 803 | 11E1 | SI DIODE | | |
| D 806 | 1SS133 | SI DIODE | | |
| D 807 | 1SS133 | SI DIODE | | |
| D 808 | 1SS133 | SI DIODE | | |
| IC702 | SBX1785-52A | RM RECIVER | | |
| IC801 | UPD656126C-088 | IC | CHANGER CTL | |
| IC802 | TA8409S | IC | | |
| IC803 | TA8409S | IC | | |
| L 801 | VQP0018-100 | INDUCTOR | | |
| PL701 | VGZ0001-058T | LAMP | | |
| PL702 | VGZ0001-058T | LAMP | | |
| Q 805 | 2SD1302 | TRANSISTOR | | |
| Q 806 | DTA143ES | TRANSISTOR | | |

BLOCK NO. 02 [] [] [] [] []

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|----------------|-----------------|--------------|--------|
| Q 807 | 2SC1740S(R,S) | TRANSISTOR | | |
| Q 808 | 2SA1317(S,T)AC | TRANSISTOR | | |
| Q 810 | 2SA1317(S,T)AC | TRANSISTOR | | |
| Q 811 | 2SA1317(S,T)AC | TRANSISTOR | | |
| Q 812 | 2SA1317(S,T)AC | TRANSISTOR | | |
| Q 813 | 2SC1740S(R,S) | TRANSISTOR | | |
| R 701 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| R 702 | QRD161J-224 | CARBON RESISTOR | 220K 5% 1/6W | |
| R 703 | QRD161J-681 | CARBON RESISTOR | 680 5% 1/6W | |
| R 704 | QRD161J-822 | CARBON RESISTOR | 8.2K 5% 1/6W | |
| R 705 | QRD161J-822 | CARBON RESISTOR | 8.2K 5% 1/6W | |
| R 706 | QRD161J-681 | CARBON RESISTOR | 680 5% 1/6W | |
| R 707 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 708 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| R 709 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 710 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 711 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 713 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 714 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 715 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 717 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 718 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 719 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 720 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 721 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 722 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 723 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 724 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| R 725 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 726 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 727 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 728 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 729 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 730 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 731 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 732 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 733 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 735 | QRD167J-682 | CARBON RESISTOR | 6.8K 5% 1/6W | |
| R 736 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 737 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 738 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 739 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 740 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 741 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 742 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 743 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 744 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 745 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 746 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 747 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 748 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 749 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 750 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 751 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 752 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |

BLOCK NO. 02

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|-------------|-----------------|---------------|--------|
| R 753 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 754 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 755 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 756 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 757 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 758 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 759 | QRD161J-391 | CARBON RESISTOR | 390 5% 1/6W | |
| R 760 | QRD161J-391 | CARBON RESISTOR | 390 5% 1/6W | |
| R 761 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 762 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 763 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 764 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 765 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 766 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 767 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 768 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 769 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| RM701 | QRD161J-202 | CARBON RESISTOR | 2.0K 5% 1/6W | |
| RM702 | QRD161J-122 | CARBON RESISTOR | 1.2K 5% 1/6W | |
| RM703 | QRD161J-152 | CARBON RESISTOR | 1.5K 5% 1/6W | |
| RM704 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| RM705 | QRD161J-272 | CARBON RESISTOR | 2.7K 5% 1/6W | |
| RM706 | QRD161J-392 | CARBON RESISTOR | 3.9K 5% 1/6W | |
| RM707 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| RM708 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| RM709 | QRD161J-183 | CARBON RESISTOR | 18K 5% 1/6W | |
| RM710 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| RM711 | QRD161J-202 | CARBON RESISTOR | 2.0K 5% 1/6W | |
| RM712 | QRD161J-122 | CARBON RESISTOR | 1.2K 5% 1/6W | |
| RM713 | QRD161J-152 | CARBON RESISTOR | 1.5K 5% 1/6W | |
| RM714 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| RM715 | QRD161J-272 | CARBON RESISTOR | 2.7K 5% 1/6W | |
| RM716 | QRD161J-392 | CARBON RESISTOR | 3.9K 5% 1/6W | |
| RM717 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| RM718 | QRD161J-202 | CARBON RESISTOR | 2.0K 5% 1/6W | |
| RM719 | QRD161J-122 | CARBON RESISTOR | 1.2K 5% 1/6W | |
| RM720 | QRD161J-152 | CARBON RESISTOR | 1.5K 5% 1/6W | |
| RM721 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| RM722 | QRD161J-272 | CARBON RESISTOR | 2.7K 5% 1/6W | |
| RM723 | QRD161J-392 | CARBON RESISTOR | 3.9K 5% 1/6W | |
| RM724 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| RM725 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| RM726 | QRD161J-183 | CARBON RESISTOR | 18K 5% 1/6W | |
| RM727 | QRD161J-202 | CARBON RESISTOR | 2.0K 5% 1/6W | |
| RM728 | QRD161J-122 | CARBON RESISTOR | 1.2K 5% 1/6W | |
| RM729 | QRD161J-152 | CARBON RESISTOR | 1.5K 5% 1/6W | |
| RM730 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| RM731 | QRD161J-272 | CARBON RESISTOR | 2.7K 5% 1/6W | |
| RM732 | QRD161J-392 | CARBON RESISTOR | 3.9K 5% 1/6W | |
| RM733 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| RM734 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| RM735 | QRD161J-183 | CARBON RESISTOR | 18K 5% 1/6W | |
| RM736 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| S 701 | QSQA11-V04Z | TACT SWITCH | FF SKIP:UP | |
| S 702 | QSQA11-V04Z | TACT SWITCH | REW SKIP:DOWN | |

BLOCK NO. 02

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|-------------|-------------|---------------|--------|
| S 703 | QSQA11-V04Z | TACT SWITCH | RESET | |
| S 704 | QSQA11-V04Z | TACT SWITCH | TUNER | |
| S 705 | QSQA11-V04Z | TACT SWITCH | MODE | |
| S 706 | QSQA11-V04Z | TACT SWITCH | TREBLE | |
| S 707 | QSQA11-V04Z | TACT SWITCH | BASS | |
| S 708 | QSQA11-V04Z | TACT SWITCH | VOL- | |
| S 709 | QSQA11-V04Z | TACT SWITCH | VOL+ | |
| S 710 | QSQA11-V04Z | TACT SWITCH | H.BASS | |
| S 711 | QSQA11-V04Z | TACT SWITCH | DISC EJECT | |
| S 712 | QSQA11-V04Z | TACT SWITCH | PLAY/PAUSE:CD | |
| S 713 | QSQA11-V04Z | TACT SWITCH | STOP/CLEAR | |
| S 714 | QSQA11-V04Z | TACT SWITCH | DISPLAY | |
| S 715 | QSQA11-V04Z | TACT SWITCH | MEMO | |
| S 716 | QSQA11-V04Z | TACT SWITCH | DISC CHECK | |
| S 717 | QSQA11-V04Z | TACT SWITCH | EXTRA | |
| S 718 | QSQA11-V04Z | TACT SWITCH | 6 | |
| S 719 | QSQA11-V04Z | TACT SWITCH | 5 | |
| S 720 | QSQA11-V04Z | TACT SWITCH | 4 | |
| S 721 | QSQA11-V04Z | TACT SWITCH | 3 | |
| S 722 | QSQA11-V04Z | TACT SWITCH | 2 | |
| S 723 | QSQA11-V04Z | TACT SWITCH | 1 | |
| S 724 | QSQA11-V04Z | TACT SWITCH | CONTINE | |
| S 725 | QSQA11-V04Z | TACT SWITCH | REPEAT | |
| S 726 | QSQA11-V04Z | TACT SWITCH | RANDOM | |
| S 727 | QSQA11-V04Z | TACT SWITCH | POWER | |
| S 728 | QSQA11-V04Z | TACT SWITCH | REW | |
| S 729 | QSQA11-V04Z | TACT SWITCH | REV PLAY | |
| S 730 | QSQA11-V04Z | TACT SWITCH | STOP | |
| S 731 | QSQA11-V04Z | TACT SWITCH | FWD PLAY | |
| S 732 | QSQA11-V04Z | TACT SWITCH | FWD FF | |
| S 733 | QSQA11-V04Z | TACT SWITCH | DOLBY NR | |
| S 734 | QSQA11-V04Z | TACT SWITCH | REVERSE | |
| S 735 | QSQA11-V04Z | TACT SWITCH | REC/PAUSE | |
| S 736 | QSQA11-V04Z | TACT SWITCH | SYNCHRO | |
| | | | | |
| | | | | |
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| | | | | |

BLOCK NO. 03

BLOCK NO. 03[illegible]

■ CD Amplifier P.C. Board

BLOCK NO. 04

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|---------------|----------------|----------------|--------|
| C 501 | QCB81HK-821Y | C.CAPACITOR | 820PF 10% 50V | |
| C 503 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 504 | QETC1CM-106ZN | E.CAPACITOR | 10MF 20% 16V | |
| C 511 | QCSB1HJ-3R9 | C.CAPACITOR | 3.9PF 10% 50V | |
| C 512 | QCS11HJ-270 | C.CAPACITOR | 27PF 5% 50V | |
| C 513 | QFLC1HJ-104ZM | M.CAPACITOR | .10MF 5% 50V | |
| C 514 | QFN41HJ-472 | M.CAPACITOR | 4700PF 5% 50V | |
| C 521 | QCB81HK-331Y | C.CAPACITOR | 330PF 10% 50V | |
| C 522 | QFLC1HJ-473ZM | M.CAPACITOR | .047MF 5% 50V | |
| C 523 | QFVB1HJ-154 | FILM CAPACITOR | .15MF 5% 50V | |
| C 524 | QEPD1EM-475ZM | NP.E.CAPACITOR | 4.7MF 20% 25V | |
| C 529 | QETC1AM-336ZN | E.CAPACITOR | 33MF 20% 10V | |
| C 531 | QCVB1CM-822Y | C.CAPACITOR | 8200PF 20% 16V | |
| C 541 | QCB81HK-101Y | C.CAPACITOR | 100PF 10% 50V | |
| C 542 | QFLC1HJ-103ZM | M.CAPACITOR | .010MF 5% 50V | |
| C 543 | QFLC1HJ-393ZM | M.CAPACITOR | .039MF 5% 50V | |
| C 545 | QEPD1EM-105ZM | NP.E.CAPACITOR | 1.0MF 20% 50V | |
| C 546 | QFLC1HJ-223ZM | M.CAPACITOR | .022MF 5% 50V | |
| C 561 | QETC1AM-476ZN | E.CAPACITOR | 47MF 20% 10V | |
| C 562 | QETC1EM-475ZN | E.CAPACITOR | 4.7MF 20% 50V | |
| C 581 | QETC1AM-477ZN | E.CAPACITOR | 470MF 20% 10V | |
| C 582 | QEK41CM-476 | E.CAPACITOR | 47MF 20% 16V | |
| C 591 | VCP0012-105Z | C.CAPACITOR | | |
| C 592 | VCP0012-105Z | C.CAPACITOR | | |
| C 593 | QCC11EM-104V | C.CAPACITOR | .10MF 20% 25V | |
| C 599 | QETC1AM-107ZN | E.CAPACITOR | 100MF 20% 10V | |
| C 601 | QCS11HJ-100 | C.CAPACITOR | FOR CRYSTAL | |
| C 602 | QCS11HJ-100 | C.CAPACITOR | FOR CRYSTAL | |
| C 603 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 604 | QCC11EM-104V | C.CAPACITOR | .10MF 20% 25V | |
| C 605 | QCVB1CM-103Y | C.CAPACITOR | .010MF 20% 16V | |
| C 606 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 611 | QCS11HJ-101 | C.CAPACITOR | 100PF 5% 50V | |
| C 612 | QFLC1HJ-103ZM | M.CAPACITOR | .010MF 5% 50V | |
| C 613 | QFLC1HJ-103ZM | M.CAPACITOR | .010MF 5% 50V | |
| C 614 | QFN41HJ-332 | M.CAPACITOR | 3300PF 5% 50V | |
| C 615 | QFN41HJ-332 | M.CAPACITOR | 3300PF 5% 50V | |
| C 631 | QETC1AM-107ZN | E.CAPACITOR | 100MF 20% 10V | |
| C 632 | QETC1AM-107ZN | E.CAPACITOR | 100MF 20% 10V | |
| C 635 | QCB81HK-121Y | C.CAPACITOR | 120PF 10% 50V | |
| C 651 | QETC1AM-107ZN | E.CAPACITOR | 100MF 20% 10V | |
| C 652 | QETC1CM-226ZN | E.CAPACITOR | 22MF 20% 16V | |
| C 661 | QCB81HK-271Y | C.CAPACITOR | 270PF 10% 50V | |
| C 662 | QCB81HK-271Y | C.CAPACITOR | 270PF 10% 50V | |
| C 663 | QCB81HK-121Y | C.CAPACITOR | 120PF 10% 50V | |
| C 669 | QETC1EM-335ZN | E.CAPACITOR | 3.3MF 20% 25V | |
| C 671 | QCB81HK-271Y | C.CAPACITOR | 270PF 10% 50V | |
| C 672 | QCB81HK-271Y | C.CAPACITOR | 270PF 10% 50V | |
| C 673 | QCB81HK-121Y | C.CAPACITOR | 120PF 10% 50V | |
| C 679 | QETC1EM-335ZN | E.CAPACITOR | 3.3MF 20% 25V | |
| CN501 | VMC0272-015 | CONNECTOR | TO PICK UP | |
| CN502 | VMC0075-006N | CONNECTOR | | |
| CN503 | QMV5011-005 | CONNECTOR | | |
| CN601 | VMC0163-009 | CONNECTOR | TO CPU | |
| IC501 | TA8191F | IC | SERVO LSI | |

BLOCK NO. 04

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|-------------|-----------------|-----------------|--------|
| IC502 | BA6298FP | IC | POWER DRIVER | |
| IC601 | TC9236AF | IC | 1 CHIP PROCESSE | |
| IC603 | TC9278F | IC | D/A CONVERTER | |
| IC604 | XRA15218N | IC | L.P.F | |
| K 693 | VQ20048-009 | INDUCTOR | FOR FTZ | |
| L 691 | VQP0018-100 | INDUCTOR | FOR FTZ | |
| L 692 | VQP0018-100 | INDUCTOR | FOR FTZ | |
| Q 501 | 2SA952(L,K) | TRANSISTOR | | |
| Q 581 | 2SA952(L,K) | TRANSISTOR | 5V REGULATOR | |
| Q 591 | 2SA1309(RS) | TRANSISTOR | | |
| R 501 | QRD161J-124 | CARBON RESISTOR | 120K 5% 1/6W | |
| R 502 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 504 | QRD161J-202 | CARBON RESISTOR | 2.0K 5% 1/6W | |
| R 505 | QRD161J-220 | CARBON RESISTOR | 22 5% 1/6W | |
| R 506 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| R 511 | QRD161J-183 | CARBON RESISTOR | 18K 5% 1/6W | |
| R 512 | QRD161J-392 | CARBON RESISTOR | 3.9K 5% 1/6W | |
| R 513 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| R 514 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 515 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 516 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 517 | QRD161J-202 | CARBON RESISTOR | 2.0K 5% 1/6W | |
| R 521 | QRD161J-154 | CARBON RESISTOR | 150K 5% 1/6W | |
| R 522 | QRD161J-392 | CARBON RESISTOR | 3.9K 5% 1/6W | |
| R 523 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 524 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| R 525 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 529 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| R 531 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 532 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| R 533 | QRD161J-153 | CARBON RESISTOR | 15K 5% 1/6W | |
| R 541 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 542 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| R 543 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 544 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 545 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 548 | QRD161J-153 | CARBON RESISTOR | 15K 5% 1/6W | |
| R 549 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 550 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| R 551 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 552 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| R 553 | QRD161J-821 | CARBON RESISTOR | 820 5% 1/6W | |
| R 555 | QRD161J-392 | CARBON RESISTOR | 3.9K 5% 1/6W | |
| R 559 | QRD161J-125 | CARBON RESISTOR | 1.2M 5% 1/6W | |
| R 561 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| R 562 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 563 | QRD161J-152 | CARBON RESISTOR | 1.5K 5% 1/6W | |
| R 564 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| R 565 | QRD161J-683 | CARBON RESISTOR | 68K 5% 1/6W | |
| R 566 | QRD161J-273 | CARBON RESISTOR | 27K 5% 1/6W | |
| R 583 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| R 591 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 611 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 612 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 613 | QRD161J-224 | CARBON RESISTOR | 220K 5% 1/6W | |

BLOCK NO. 04

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|---------------|-----------------|----------------|--------|
| R 614 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 615 | QRD161J-225 | CARBON RESISTOR | 2.2M 5% 1/6W | |
| R 616 | QRD161J-333 | CARBON RESISTOR | 33K 5% 1/6W | |
| R 631 | QRD161J-820 | CARBON RESISTOR | 82 5% 1/6W | |
| R 632 | QRD161J-820 | CARBON RESISTOR | 82 5% 1/6W | |
| R 635 | QRD161J-681 | CARBON RESISTOR | 680 5% 1/6W | |
| R 638 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| R 639 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 651 | QRD161J-820 | CARBON RESISTOR | 82 5% 1/6W | |
| R 652 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 653 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 661 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 662 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 663 | QRD161J-333 | CARBON RESISTOR | 33K 5% 1/6W | |
| R 664 | QRD161J-333 | CARBON RESISTOR | 33K 5% 1/6W | |
| R 665 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 666 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 671 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 672 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 673 | QRD161J-333 | CARBON RESISTOR | 33K 5% 1/6W | |
| R 674 | QRD161J-333 | CARBON RESISTOR | 33K 5% 1/6W | |
| R 675 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| R 676 | QRD161J-123 | CARBON RESISTOR | 12K 5% 1/6W | |
| VR501 | QVZ3523-154AZ | V.RESISTOR | TR OFFSET ADJ. | |
| X 601 | VXC5016-934V | CRYSTAL | 16.9344MHZ | |
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■ Cassette mechanism Control P.C. Board

BLOCK NO. 05

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|------|-------------|-----------------|---------|--------|
| CN 1 | VMC0234-R11 | CONNECTOR | | |
| CN 2 | VMC0234-R08 | CONNECTOR | | |
| S 1 | VSH1170-001 | CASSETTE SWITCH | | |
| S 2 | VSH1170-001 | LEAF SWITCH | | |
| S 3 | VSH1170-001 | LEAF SWITCH | | |
| S 4 | VSH1170-001 | LEAF SWITCH | | |
| S 5 | VSH1170-001 | LEAF SWITCH | | |
| S 6 | VKS3616-00A | CAM SWITCH | | |
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■ Tuner P.C. Board (UX-C7 B/E/EN)

BLOCK NO. 06

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|---------------|--------------|----------------|--------|
| C 001 | QCT30CH-200Y | C.CAPACITOR | 20PF 5% 50V | |
| C 003 | QCSB1HK-3R3Y | C.CAPACITOR | 3.3PF 10% 50V | |
| C 004 | QCSB1HM-1R5Y | C.CAPACITOR | 1.5PF 20% 50V | |
| C 005 | QCT05UJ-100 | C.CAPACITOR | 10PF 5% 50V | |
| C 006 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 007 | QCT30CH-200Y | C.CAPACITOR | 20PF 5% 50V | |
| C 008 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 009 | QCT30UJ-8R2Y | C.CAPACITOR | 8.2PF 5% 50V | |
| C 010 | QCSB1HM-1R0Y | C.CAPACITOR | 1.0PF 20% 50V | |
| C 011 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 012 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 013 | QCC11EM-223V | C.CAPACITOR | .022MF 20% 25V | |
| C 016 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 017 | QCFB1HZ-104Y | C.CAPACITOR | .10MF +80%-20% | |
| C 018 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 019 | QCT30UJ-8R2Y | C.CAPACITOR | 8.2PF 5% 50V | |
| C 020 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 021 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 022 | QFP31HG-431ZM | PP.CAPACITOR | 430PF 2% 50V | |
| C 023 | QCT30UJ-120Y | C.CAPACITOR | 12PF 5% 50V | |
| C 024 | QCS11HJ-560 | C.CAPACITOR | 56PF 5% 50V | |
| C 025 | QEK41HM-104 | E.CAPACITOR | .10MF 20% 50V | |
| C 026 | QCS11HJ-181 | C.CAPACITOR | 180PF 5% 50V | |
| C 027 | QCS11HJ-101 | C.CAPACITOR | 100PF 5% 50V | |
| C 028 | QCS11HJ-180 | C.CAPACITOR | 18PF 5% 50V | |
| C 029 | QEK40JM-227 | E.CAPACITOR | 220MF 20% 6.3V | |
| C 030 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 031 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 032 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 033 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 034 | QCC31EM-333ZV | C.CAPACITOR | .033MF 20% 25V | |
| C 035 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 036 | QEK41EM-475 | E.CAPACITOR | 4.7MF 20% 25V | |
| C 037 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 038 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 039 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 040 | QEK61HM-4752N | E.CAPACITOR | 4.7MF 20% 50V | |
| C 041 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 042 | QCB81CM-152Y | C.CAPACITOR | 1500PF 20% 16V | |
| C 043 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 044 | QEK41HM-104 | E.CAPACITOR | .10MF 20% 50V | |
| C 045 | QEK41HM-474 | E.CAPACITOR | .47MF 20% 50V | |
| C 046 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 047 | QCC11EK-153ZV | C.CAPACITOR | .015MF 10% 25V | |
| C 048 | QCC11EK-153ZV | C.CAPACITOR | .015MF 10% 25V | |
| C 049 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| C 050 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| C 053 | QCS11HJ-150 | C.CAPACITOR | 15PF 5% 50V | |
| C 054 | QCC11EM-223V | C.CAPACITOR | .022MF 20% 25V | |
| C 055 | QCSB1HK-2R2Y | C.CAPACITOR | 2.2PF 10% 50V | |
| C 058 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 059 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 060 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 061 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 062 | QCSB1HJ-130Y | C.CAPACITOR | 13PF 5% 50V | |

BLOCK NO. 06

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|-----------------|----------------|-----------------|--------|
| C 063 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 064 | QCS11HJ-270 | C.CAPACITOR | 27PF 5% 50V | |
| C 065 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 066 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 067 | QCB81HK-331Y | C.CAPACITOR | 330PF 10% 50V | |
| C 069 | QCB81CM-222Y | C.CAPACITOR | 2200PF 20% 16V | |
| C 070 | QEK41HM-225 | E.CAPACITOR | 2.2MF 20% 50V | |
| C 071 | QEK41HM-335 | E.CAPACITOR | 3.3MF 20% 50V | |
| C 090 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| CF 01 | VCF2M3B-104 | CERAMIC FILTER | | |
| CF 02 | VCF2S3B-102 | C FILTER | | |
| CF 03 | VCF1Z2Z-105Z | CERAMIC FILTER | | |
| CF 04 | CSB456F18 | CERA LOCK | | |
| CN 01 | VMC0075-010N | CONNECTOR | TO FUNCTION PWB | |
| D 001 | SVC203SPA-AB-AL | VARI CAP | | |
| D 002 | SVC203SPA-AB-AL | VARI CAP | | |
| D 003 | SVC203SPA-AB-AL | VARI CAP | | |
| D 004 | SVC203SPA-AB-AL | VARI CAP | | |
| D 005 | SVC203SPA-AB-AL | VARI CAP | | |
| D 006 | SVC203SPA-AB-AL | VARI CAP | | |
| D 008 | SVC344-AA | VARI CAP | | |
| D 009 | SVC344-AA | VARI CAP | | |
| D 010 | SVC344-AA | VARI CAP | | |
| D 011 | SVC344-AA | VARI CAP | | |
| D 012 | 1SS133 | SI DIODE | | |
| D 013 | 1SS133 | SI DIODE | | |
| D 014 | 1SS133 | SI DIODE | | |
| FB 01 | VQZ0048-003 | INDUCTOR | | |
| FW01 | VWS102-083K3K | FF FRAT WIRE | LUMP-MICON | |
| IC 01 | TA7358P(N) | IC | | |
| IC 02 | TA8132AN | IC | | |
| IC 03 | TC9216P | IC | | |
| J 001 | YKD31-0442 | ANT TERMINAL | FM ANT | |
| J 002 | EMB40YV-201K | ANT TERMINAL | AM ANT | |
| L 001 | VQF1B20-021 | OSC COIL | FM OSC | |
| L 002 | VQF1B12-012 | RF COIL | FM RF | |
| L 003 | VQZ0030-010 | RF COIL(MW) | MW RF | |
| L 004 | VQM7U02-404 | OSC COIL(MW) | MW OSC | |
| L 005 | VQZ0030-008 | RF COIL(LW) | LW RF | |
| L 006 | VQL7U02-502 | OSC COIL(LW) | LW OSC | |
| L 007 | VQP0018-4R7 | INDUCTOR | | |
| L 008 | VQP0018-221 | INDUCTOR | | |
| L 013 | VQF1B12-013 | RF COIL | | |
| Q 001 | 2SC2668(O) | TRANSISTOR | | |
| Q 002 | 2SD1302 | TRANSISTOR | | |
| Q 003 | 2SC2668(O) | TRANSISTOR | | |
| Q 004 | 2SA1175 | TRANSISTOR | | |
| Q 005 | 2SD1302 | TRANSISTOR | | |
| Q 006 | 2SC2785 | TRANSISTOR | | |
| Q 007 | 2SC2668(O) | TRANSISTOR | | |
| Q 008 | DTA114YS | TRANSISTOR | | |
| Q 009 | DTA114YS | TRANSISTOR | | |
| Q 010 | DTA114YS | TRANSISTOR | | |
| Q 011 | DTA114YS | TRANSISTOR | | |
| Q 012 | 2SC2785 | TRANSISTOR | | |

BLOCK NO. 06

| A | REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|---|-------|-------------|-----------------|--------------|--------|
| | Q 013 | 2SC2785 | TRANSISTOR | | |
| | Q 014 | 2SA1175 | TRANSISTOR | | |
| | Q 015 | DTC124ES | TRANSISTOR | | |
| | R 001 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | R 002 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | R 004 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 005 | QRD161J-823 | CARBON RESISTOR | 82K 5% 1/6W | |
| | R 006 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| | R 008 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| | R 009 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 010 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| | R 011 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 012 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 013 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | R 014 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 015 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 016 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 017 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | R 018 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 019 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 020 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 021 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 022 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 024 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| | R 025 | QRD161J-224 | CARBON RESISTOR | 220K 5% 1/6W | |
| | R 027 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| | R 029 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 030 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 031 | QRD161J-183 | CARBON RESISTOR | 18K 5% 1/6W | |
| | R 032 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| | R 033 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| | R 034 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 035 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 036 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 037 | QRD161J-560 | CARBON RESISTOR | 56 5% 1/6W | |
| | R 038 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | R 039 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 040 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 041 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 042 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 043 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 044 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 045 | QRD161J-561 | CARBON RESISTOR | 560 5% 1/6W | |
| | R 047 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| | R 048 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| | R 049 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 051 | QRD161J-561 | CARBON RESISTOR | 560 5% 1/6W | |
| | R 052 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| | R 053 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| | R 054 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 055 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 056 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| | R 057 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 058 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | RT 01 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |

[illegible]

■ Tuner P.C. Board (UX-C7 B)

BLOCK NO. 07

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|---------------|---------------|----------------|--------|
| BP 01 | VBP4M3B-005 | B.PASS FILTER | | |
| C 001 | QCS11HJ-200 | C.CAPACITOR | 20PF 5% 50V | |
| C 002 | QCB1HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 003 | QCS11HJ-130Y | C.CAPACITOR | 13PF 5% 50V | |
| C 004 | QCT30UJ-100Y | C.CAPACITOR | 10PF 5% 50V | |
| C 005 | QCT30UJ-180Y | C.CAPACITOR | 18PF 5% 50V | |
| C 006 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 007 | QCS11HJ-200 | C.CAPACITOR | 20PF 5% 50V | |
| C 008 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 009 | QCT30UJ-100Y | C.CAPACITOR | 10PF 5% 50V | |
| C 010 | QCT30CH-2R2Y | C.CAPACITOR | 2.2PF 5% 50V | |
| C 011 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 012 | QCB1HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 013 | QCC11EM-223V | C.CAPACITOR | .022MF 20% 25V | |
| C 014 | QCB1HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 016 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 017 | QCFB1HZ-104Y | C.CAPACITOR | .10MF +80:-20% | |
| C 018 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 019 | QCB1HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 020 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 021 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 022 | QFP31HG-431ZM | PP.CAPACITOR | 430PF 2% 50V | |
| C 023 | QCT30UJ-120Y | C.CAPACITOR | 12PF 5% 50V | |
| C 024 | QCS11HJ-560 | C.CAPACITOR | 56PF 5% 50V | |
| C 025 | QEK41HM-104 | E.CAPACITOR | .10MF 20% 50V | |
| C 026 | QCS11HJ-181 | C.CAPACITOR | 180PF 5% 50V | |
| C 027 | QCS11HJ-101 | C.CAPACITOR | 100PF 5% 50V | |
| C 028 | QCS11HJ-180 | C.CAPACITOR | 18PF 5% 50V | |
| C 029 | QEK40JM-227 | E.CAPACITOR | 220MF 20% 6.3V | |
| C 030 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 031 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 032 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 033 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 034 | QCC31EM-333ZV | C.CAPACITOR | .033MF 20% 25V | |
| C 035 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 036 | QEK41EM-475 | E.CAPACITOR | 4.7MF 20% 25V | |
| C 037 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 038 | QCB1HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 039 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 040 | QEK61HM-335ZN | E.CAPACITOR | 3.3MF 20% 50V | |
| C 041 | QEK61HM-335ZN | E.CAPACITOR | 3.3MF 20% 50V | |
| C 042 | QCB1CM-152Y | C.CAPACITOR | 1500PF 20% 16V | |
| C 043 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 044 | QEK41HM-104 | E.CAPACITOR | .10MF 20% 50V | |
| C 045 | QEK41HM-474 | E.CAPACITOR | .47MF 20% 50V | |
| C 046 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 047 | QCC11EK-153ZV | C.CAPACITOR | .015MF 10% 25V | |
| C 048 | QCC11EK-153ZV | C.CAPACITOR | .015MF 10% 25V | |
| C 049 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| C 050 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| C 053 | QCS11HJ-150 | C.CAPACITOR | 15PF 5% 50V | |
| C 059 | QCB1HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 060 | QCB1HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 061 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 062 | QCS11HJ-130Y | C.CAPACITOR | 13PF 5% 50V | |

BLOCK NO. 07

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|-----------------|----------------|-----------------|--------|
| C 063 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 064 | QCS11HJ-270 | C.CAPACITOR | 27PF 5% 50V | |
| C 065 | QCB1HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 066 | QCB1HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 067 | QCB1HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 069 | QCB1CM-222Y | C.CAPACITOR | 2200PF 20% 16V | |
| C 070 | QEK41HM-225 | E.CAPACITOR | 2.2MF 20% 50V | |
| C 071 | QEK61HM-335ZN | E.CAPACITOR | 3.3MF 20% 50V | |
| C 072 | QCB1HK-331Y | C.CAPACITOR | 330PF 10% 50V | |
| C 090 | QCB1HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| CF 01 | VCF2L3B-105 | CERAMIC FILTER | | |
| CF 02 | VCF2L3B-105 | CERAMIC FILTER | | |
| CF 03 | VCF122Z-105Z | CERAMIC FILTER | | |
| CF 04 | CSB456F18 | CERA LOCK | | |
| CN 01 | VMC0075-010N | CONNECTOR | TO FUNCTION PWB | |
| D 001 | SVC203SPA-AB-AL | VARI CAP | | |
| D 002 | SVC203SPA-AB-AL | VARI CAP | | |
| D 003 | SVC203SPA-AB-AL | VARI CAP | | |
| D 004 | SVC203SPA-AB-AL | VARI CAP | | |
| D 005 | 1SS133 | SI DIODE | | |
| D 006 | 1SS133 | SI DIODE | | |
| D 007 | 1SS133 | SI DIODE | | |
| D 008 | SVC344-AA | VARI CAP | | |
| D 009 | SVC344-AA | VARI CAP | | |
| D 010 | SVC344-AA | VARI CAP | | |
| D 011 | SVC344-AA | VARI CAP | | |
| D 012 | 1SS133 | SI DIODE | | |
| D 013 | 1SS133 | SI DIODE | | |
| D 014 | 1SS133 | SI DIODE | | |
| IC 01 | TA7358P(N) | IC | | |
| IC 02 | TA8132AN | IC | | |
| IC 03 | TC9216P | IC | | |
| J 001 | YKD31-0442 | ANT TERMINAL | FM ANT | |
| J 002 | EMB40YV-201K | ANT TERMINAL | AM ANT | |
| L 001 | VQF1B20-019 | OSC COIL | FM OSC | |
| L 002 | VQF1B12-012 | RF COIL | FM RF | |
| L 003 | VQZ0030-010 | RF COIL(MW) | MW RF | |
| L 004 | VQM7U02-404 | OSC COIL(MW) | MW OSC | |
| L 005 | VQZ0030-008 | RF COIL(LW) | LW RF | |
| L 006 | VQL7U02-502 | OSC COIL(LW) | LW OSC | |
| L 007 | VQP0018-4R7 | INDUCTOR | | |
| L 008 | VQP0018-221 | INDUCTOR | | |
| L 012 | V03047-16 | RF COIL | | |
| Q 001 | 2SC2668(O) | TRANSISTOR | | |
| Q 002 | 2SD1302 | TRANSISTOR | | |
| Q 003 | 2SC2668(O) | TRANSISTOR | | |
| Q 004 | 2SA1175 | TRANSISTOR | | |
| Q 005 | 2SD1302 | TRANSISTOR | | |
| Q 006 | 2SC2785 | TRANSISTOR | | |
| Q 007 | 2SC2668(O) | TRANSISTOR | | |
| Q 008 | DTA114YS | TRANSISTOR | | |
| Q 009 | DTA114YS | TRANSISTOR | | |
| Q 010 | DTA114YS | TRANSISTOR | | |
| Q 011 | DTA114YS | TRANSISTOR | | |
| Q 012 | 2SC2785 | TRANSISTOR | | |

BLOCK NO. 07

| A | REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|---|-------|-------------|-----------------|--------------|--------|
| | Q 013 | 2SC2785 | TRANSISTOR | | |
| | Q 014 | 2SA1175 | TRANSISTOR | | |
| | Q 015 | DTC124ES | TRANSISTOR | | |
| | R 001 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | R 002 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | R 003 | QRD167J-4R7 | CARBON RESISTOR | 4.7 5% 1/6W | |
| | R 004 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 005 | QRD161J-823 | CARBON RESISTOR | 82K 5% 1/6W | |
| | R 006 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| | R 008 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| | R 009 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 010 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| | R 011 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 012 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 013 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | R 014 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 015 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 016 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 017 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| | R 018 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 019 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 020 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 021 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 022 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 024 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| | R 025 | QRD161J-394 | CARBON RESISTOR | 390K 5% 1/6W | |
| | R 026 | QRD161J-100 | CARBON RESISTOR | 10 5% 1/6W | |
| | R 027 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| | R 029 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 030 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 031 | QRD161J-183 | CARBON RESISTOR | 18K 5% 1/6W | |
| | R 032 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| | R 033 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| | R 034 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 035 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 036 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 037 | QRD161J-560 | CARBON RESISTOR | 56 5% 1/6W | |
| | R 040 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 041 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 042 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 043 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 044 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| | R 045 | QRD161J-561 | CARBON RESISTOR | 560 5% 1/6W | |
| | R 047 | QRD167J-562 | CARBON RESISTOR | 5.6K 5% 1/6W | |
| | R 048 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| | R 049 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 051 | QRD161J-561 | CARBON RESISTOR | 560 5% 1/6W | |
| | R 052 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| | R 053 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |
| | R 054 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 055 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| | R 056 | QRD167J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| | R 057 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| | R 058 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| | RT 01 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |

BLOCK NO. 071111

[illegible]

■ Tuner P.C. Board (UX-C7 G/GI)

BLOCK NO. 08

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|---------------|--------------|------------------|--------|
| B 010 | QWY124-5.0Y | BUS WIRE | | |
| BP 01 | EQF0201-006 | B.P.FILTER | | |
| C 001 | QCT30CH-200Y | C.CAPACITOR | 20PF 5% 50V | |
| C 003 | QCSB1HK-3R3Y | C.CAPACITOR | 3.3PF 10% 50V | |
| C 004 | QCSB1HM-1R5Y | C.CAPACITOR | 1.5PF 20% 50V | |
| C 006 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 007 | QCT30CH-200Y | C.CAPACITOR | 20PF 5% 50V | |
| C 008 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 009 | QCT30UJ-8R2Y | C.CAPACITOR | 8.2PF 5% 50V | |
| C 010 | QCSB1HM-1R0Y | C.CAPACITOR | 1.0PF 20% 50V | |
| C 011 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 012 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 013 | QCC11EM-223V | C.CAPACITOR | .022MF 20% 25V | |
| C 014 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 016 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 017 | QCFB1HZ-104Y | C.CAPACITOR | .10MF +80% -20% | |
| C 018 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 019 | QCT30UJ-8R2Y | C.CAPACITOR | 8.2PF 5% 50V | |
| C 020 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 021 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 022 | QFP31HG-431ZM | PP.CAPACITOR | 430PF 2% 50V | |
| C 023 | QCT30UJ-120Y | C.CAPACITOR | 12PF 5% 50V | |
| C 024 | QCS11HJ-560 | C.CAPACITOR | 56PF 5% 50V | |
| C 025 | QEK41HM-104 | E.CAPACITOR | .10MF 20% 50V | |
| C 026 | QCS11HJ-181 | C.CAPACITOR | 180PF 5% 50V | |
| C 027 | QCS11HJ-101 | C.CAPACITOR | 100PF 5% 50V | |
| C 028 | QCS11HJ-180 | C.CAPACITOR | 18PF 5% 50V | |
| C 029 | QEK40JM-227 | E.CAPACITOR | 220MF 20% 6.3V | |
| C 030 | QCF11HP-103 | C.CAPACITOR | .010MF +100% -0% | |
| C 031 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 032 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 033 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 034 | QCC31EM-333ZV | C.CAPACITOR | .033MF 20% 25V | |
| C 035 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 036 | QEK41EM-475 | E.CAPACITOR | 4.7MF 20% 25V | |
| C 037 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 038 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 039 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 040 | QEK61HM-335ZN | E.CAPACITOR | 3.3MF 20% 50V | |
| C 041 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 042 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 043 | QCVB1CN-103Y | C.CAPACITOR | .010MF 30% 16V | |
| C 044 | QEK41HM-104 | E.CAPACITOR | .10MF 20% 50V | |
| C 045 | QEK41HM-474 | E.CAPACITOR | .47MF 20% 50V | |
| C 046 | QEK41CM-106 | E.CAPACITOR | 10MF 20% 16V | |
| C 047 | QCC31EM-153ZV | C.CAPACITOR | .015MF 20% 25V | |
| C 048 | QCC31EM-153ZV | C.CAPACITOR | .015MF 20% 25V | |
| C 049 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| C 050 | QEK41HM-105 | E.CAPACITOR | 1.0MF 20% 50V | |
| C 051 | QEK61HM-335ZN | E.CAPACITOR | 3.3MF 20% 50V | |
| C 052 | QCB81HK-391Y | C.CAPACITOR | 390PF 10% 50V | |
| C 053 | QCS11HJ-180 | C.CAPACITOR | 18PF 5% 50V | |
| C 054 | QCC11EM-223V | C.CAPACITOR | .022MF 20% 25V | |
| C 055 | QCSB1HM-1R5Y | C.CAPACITOR | 1.5PF 20% 50V | |
| C 058 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |

BLOCK NO. 08

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|-----------------|----------------|-----------------|--------|
| C 059 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 060 | QCB81HK-102Y | C.CAPACITOR | 1000PF 10% 50V | |
| C 061 | QEK61AM-107ZM | E.CAPACITOR | 100MF 20% 10V | |
| C 062 | QCT30UJ-120Y | C.CAPACITOR | 12PF 5% 50V | |
| C 063 | QCC11EM-473V | C.CAPACITOR | .047MF 20% 25V | |
| C 064 | QCS11HJ-270 | C.CAPACITOR | 27PF 5% 50V | |
| C 065 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 066 | QCB81HK-151Y | C.CAPACITOR | 150PF 10% 50V | |
| C 067 | QCB81HK-331Y | C.CAPACITOR | 330PF 10% 50V | |
| C 069 | QCX81CM-222Y | C.CAPACITOR | 2200PF 20% 16V | |
| C 070 | QEK41HM-225 | E.CAPACITOR | 2.2MF 20% 50V | |
| C 071 | QEK61HM-335ZN | E.CAPACITOR | 3.3MF 20% 50V | |
| C 090 | QCS31HJ-390Z | C.CAPACITOR | 39PF 5% 50V | |
| CF 01 | VCF2M3B-104 | CERAMIC FILTER | | |
| CF 02 | VCF2S3B-102 | C FILTER | | |
| CF 03 | VCF122Z-108Z | CERAMIC FILTER | | |
| CF 04 | CSB456F18 | CERA LOCK | | |
| CN 01 | VMC0075-010N | CONNECTOR | TO FUNCTION PWB | |
| D 001 | SVC203SPA-AB-AL | VARI CAP | | |
| D 002 | SVC203SPA-AB-AL | VARI CAP | | |
| D 003 | SVC203SPA-AB-AL | VARI CAP | | |
| D 004 | SVC203SPA-AB-AL | VARI CAP | | |
| D 005 | SVC203SPA-AB-AL | VARI CAP | | |
| D 006 | SVC203SPA-AB-AL | VARI CAP | | |
| D 008 | SVC344-AA | VARI CAP | | |
| D 009 | SVC344-AA | VARI CAP | | |
| D 010 | SVC344-AA | VARI CAP | | |
| D 011 | SVC344-AA | VARI CAP | | |
| D 012 | 1SS133 | SI DIODE | | |
| D 013 | 1SS133 | SI DIODE | | |
| D 014 | 1SS133 | SI DIODE | | |
| IC 01 | TA7358P(N) | IC | | |
| IC 02 | TA8132AN | IC | | |
| IC 03 | TC9216P | IC | | |
| J 001 | YKD31-0442 | ANT TERMINAL | FM ANT | |
| J 002 | EMB40YV-201K | ANT TERMINAL | AM ANT | |
| L 001 | VQF1B20-021 | OSC COIL | FM OSC | |
| L 002 | VQF1B12-012 | RF COIL | FM RF | |
| L 003 | VQZ0030-010 | RF COIL(MW) | MW RF | |
| L 004 | VQM7U02-404 | OSC COIL(MW) | MW OSC | |
| L 005 | VQZ0030-008 | RF COIL(LW) | LW RF | |
| L 006 | VQL7U02-502 | OSC COIL(LW) | LW OSC | |
| L 007 | VQP0018-4R7 | INDUCTOR | | |
| L 008 | VQP0018-221 | INDUCTOR | | |
| L 012 | VQZ0069-002S | TRAP COIL | 114KHZ TRAP | |
| L 013 | VQF1B12-013 | RF COIL | FM RF | |
| L 014 | VQZ0048-007 | INDUCTOR | | |
| L 016 | VQP0018-8R2Y | INDUCTOR | | |
| L 017 | VQP0018-4R7 | INDUCTOR | | |
| Q 001 | 2SC2668(O) | TRANSISTOR | | |
| Q 002 | 2SD1302 | TRANSISTOR | | |
| Q 003 | 2SC2668(O) | TRANSISTOR | | |
| Q 004 | 2SA1175 | TRANSISTOR | | |
| Q 005 | 2SD1302 | TRANSISTOR | | |
| Q 006 | 2SC2785 | TRANSISTOR | | |

BLOCK NO. 08

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|-------------|-----------------|--------------|--------|
| Q 007 | 2SC2668(0) | TRANSISTOR | | |
| Q 008 | DTC114YS | TRANSISTOR | | |
| Q 009 | DTA114YS | TRANSISTOR | | |
| Q 010 | DTA114YS | TRANSISTOR | | |
| Q 011 | DTA114YS | TRANSISTOR | | |
| Q 012 | 2SC2785 | TRANSISTOR | | |
| Q 013 | 2SC2785 | TRANSISTOR | | |
| Q 014 | 2SA1175 | TRANSISTOR | | |
| Q 015 | DTC124ES | TRANSISTOR | | |
| Q 016 | 2SC2785 | TRANSISTOR | | |
| R 001 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| R 002 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 004 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 005 | QRD161J-823 | CARBON RESISTOR | 82K 5% 1/6W | |
| R 006 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| R 008 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| R 009 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 010 | QRD161J-101 | CARBON RESISTOR | 100 5% 1/6W | |
| R 011 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 012 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 013 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| R 014 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 015 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 016 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 017 | QRD161J-104 | CARBON RESISTOR | 100K 5% 1/6W | |
| R 018 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 019 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 020 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 021 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 022 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 025 | QRD161J-224 | CARBON RESISTOR | 220K 5% 1/6W | |
| R 027 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| R 029 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 030 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 031 | QRD161J-682 | CARBON RESISTOR | 6.8K 5% 1/6W | |
| R 032 | QRD161J-223 | CARBON RESISTOR | 22K 5% 1/6W | |
| R 033 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 034 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 035 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 036 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 037 | QRD161J-560 | CARBON RESISTOR | 56 5% 1/6W | |
| R 038 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 039 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 040 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 041 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 042 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 043 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 044 | QRD161J-103 | CARBON RESISTOR | 10K 5% 1/6W | |
| R 045 | QRD161J-561 | CARBON RESISTOR | 560 5% 1/6W | |
| R 047 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 048 | QRD161J-331 | CARBON RESISTOR | 330 5% 1/6W | |
| R 049 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 051 | QRD161J-561 | CARBON RESISTOR | 560 5% 1/6W | |
| R 052 | QRD161J-472 | CARBON RESISTOR | 4.7K 5% 1/6W | |
| R 053 | QRD161J-471 | CARBON RESISTOR | 470 5% 1/6W | |

BLOCK NO. 08

| REF. | PARTS NO. | PARTS NAME | REMARKS | SUFFIX |
|-------|---------------|-----------------|--------------|--------|
| R 054 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 055 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 056 | QRD161J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| R 057 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| R 058 | QRD161J-473 | CARBON RESISTOR | 47K 5% 1/6W | |
| R 060 | QRD161J-393 | CARBON RESISTOR | 39K 5% 1/6W | |
| R 061 | QRD161J-823 | CARBON RESISTOR | 82K 5% 1/6W | |
| R 062 | QRD161J-122 | CARBON RESISTOR | 1.2K 5% 1/6W | |
| R 063 | QRD161J-222 | CARBON RESISTOR | 2.2K 5% 1/6W | |
| R 064 | QRD161J-332 | CARBON RESISTOR | 3.3K 5% 1/6W | |
| RT 01 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| RT 02 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| RT 03 | QRD161J-102 | CARBON RESISTOR | 1.0K 5% 1/6W | |
| T 001 | VQT7F12-110 | IFT | FM IF | |
| T 002 | VQT7A21-107 | IFT | | |
| TC 01 | QAT3722-100M | T.CAPACITOR | | |
| TC 02 | QAT3722-200ZM | T.CAPACITOR | MW RF | |
| TC 03 | QAT3722-300ZM | T.CAPACITOR | LW RF | |
| TC 04 | QAT3722-100M | T.CAPACITOR | FM RF | |
| X 001 | V472124-A0 | CRYSTAL | | |

15. Illustration of Packing and Parts List

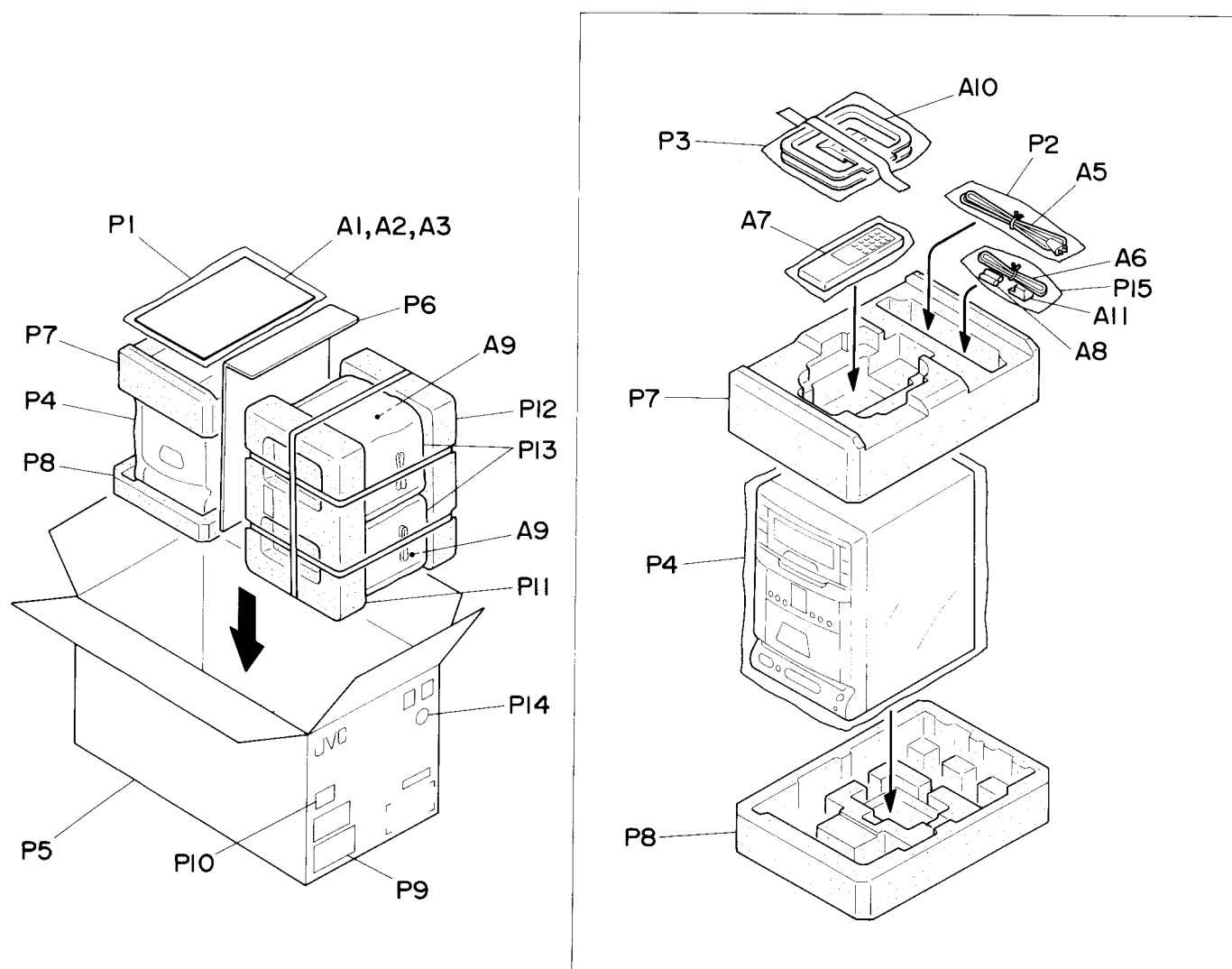


Fig. 15-1

■ Packing parts list

BLOCK NO. **M7MM**

| △ | REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|---|------|-----------------|-----------------|--------------|-----|-----------|-----|
| | P 1 | VPE3005-007 | POLY BAG | INSTRUCTIONS | 1 | | |
| | P 2 | QPGA015-03503 | POLY BAG | POWER CORD | 1 | | |
| | P 3 | VPE3005-042 | POLY BAG | FOR AM ANT | 1 | | |
| | P 4 | VPE3020-022 | POLY BAG | FOR SET | 1 | | |
| | P 5 | VPC9228-S006 | CARTON | | 1 | | |
| | P 6 | VPK3313-001 | CARTON SHEET | | 1 | | |
| | P 7 | VPK3313-001 | CUSHION(UPPER) | | 1 | | |
| | P 8 | VPK3313-001 | CUSHION(BOTTOM) | | 1 | | |
| | P 9 | VND3044-005 | NUMBER LABEL | | 1 | G | |
| | | VND3044-001 | NUMBER LABEL | | 1 | EN,GI | |
| | | VND3044-003 | NUMBER LABEL | | 1 | E | |
| | | VND3044-004 | NUMBER LABEL | | 1 | B | |
| P | 10 | VND3025-211 | BAR CODE LABEL | | 1 | | |
| P | 11 | DH404-UX-C1-U | SIDE CUSHION(U) | FOR SPEAKER | 1 | | |
| P | 12 | DH404-UX-C1-B | SIDE CUSHION(B) | FOR SPEAKER | 1 | | |
| P | 13 | MIRRORBAG-SK015 | MIRROR BAG | FOR SPEAKER | 2 | | |
| P | 14 | QZLA001-011 | MARK | | 1 | E,G,GI,EN | |
| P | 15 | QPGA010-03003 | POLY.BAG | ACCESSORIES | 1 | | |

16. Accessories

BLOCK NO. M8MM

| REF. | PARTS NO. | PARTS NAME | REMARKS | QTY | SUFFIX | CLR |
|------|-----------------|---------------|-------------|-----|------------|-----|
| A 1 | VNN9228-261S | INSTRUCTIONS | | 1 | E,G,EN | |
| | VNN9228-271S | INSTRUCTIONS | | 1 | EN | |
| | VNN9228-251S | INSTRUCTIONS | | 1 | B,G,I | |
| A 2 | BT-20066A | WARRANTY CARD | | 1 | B | |
| A 3 | BT20060 | WARRANTY CARD | | 1 | B | |
| A 4 | BT-20135 | WARRANTY CARD | | 1 | G | |
| A 5 | QMP39F0-183 | POWER CORD | | 1 | E,EN,G,G,I | |
| A 6 | QMP5520-183BS | POWER CORD | | 1 | B | |
| A 6 | VMZ0136-001 | B.IN ANT | FM | 1 | | |
| A 7 | VGR0031-001 | REMOCON UNIT | | 1 | | |
| | VGR0031-011 | REMOCON UNIT | WHITE | 1 | | |
| A 8 | UM-3(DJ)-2PSA | BATTERY | REMOCON | 2 | | |
| A 9 | UXB7K-SPBOX-R-W | SPEAKER BOX | WHITE:RIGHT | 1 | | |
| | UXB7K-SPBOX-L-W | SPEAKER BOX | WHITE:LEFT | 1 | | |
| | UXB7K-SPBOX-R | SPEAKER BOX | RIGHT | 1 | | |
| | UXB7K-SPBOX-L | SPEAKER BOX | LEFT | 1 | | |
| A 10 | EQB4001-015 | AM LOOP ANT | AM | 1 | | |
| A 11 | EMZ2001-014 | ADAPTER | | 1 | | |

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